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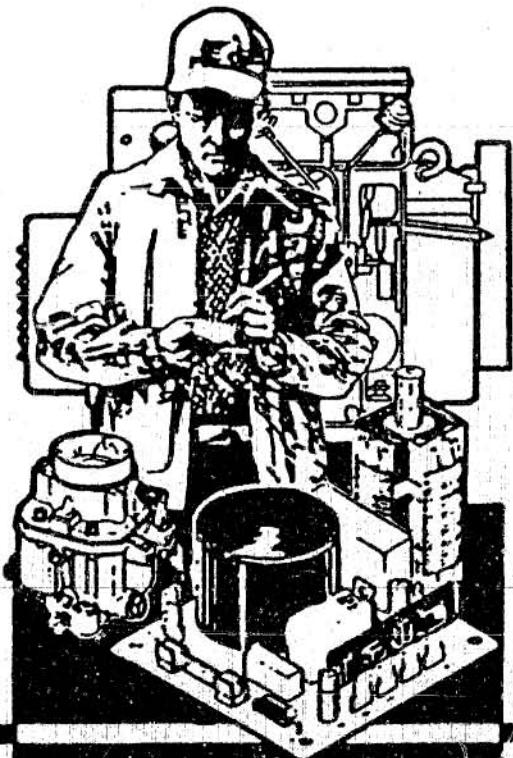
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# Onan

## Parts Manual

### CCK

### GenSet



Onan Service Parts

927-0222  
7-91 (SPEC R-V)  
Replaces 3-89 (SPEC R-V)

## Introduction

This catalog applies to the standard CCK Generating Sets as listed below. Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the Model and Spec No. from the nameplate, select the Parts Key No. (1,2, etc. in the last column) that applies to your set Model and Spec No. This Parts Key No. represents parts that differ between models. Unless otherwise mentioned in the description, parts are interchangeable between models. Rig and left sides are determined by facing the blower end (front) of the engine.

### Generator Set Data Table

MODEL AND SPEC #	TYPE	ELECTRICAL DATA					PARTS KEY NO.
		WATTS	VOLTS	HERTZ	WIRE	PHASE	
3.5CCK-53BP/ 3.5CCK-53CP/	Portable Portable	3500 3500	110/220 120/240	50 50	4 4t	1 1	1 1
3.5CCK-53BR/ 3.5CCK-53CR/	Remote Remote	3500 3500	110/220 120/240	50 50	4 4t	1 1	2 2
4.2CCK-53BR/ 4.2CCK-53CR/	Remote Remote	4250 4250	110/220 120/240	50 50	4 4t	1 1	3 3
4.0CCK-55DR/ 4.2CCK-55DR/	Remote Remote	4250 4250	120/240 120/240	50 50	4t 4	3 3	3 3
4.0CCK-57R/ 4.2CCK-57R/	Remote Remote	4250 4250	220/380 220/380	50 50	4 4	3 3	3 3
4.2CCK-53CP/ 4.0CCK-3CP/	Portable Portable	4250 4000	120/240 120/240	50 60	4t 4t	1 1	4 4
4.0CCK-57P/ 4.0CCK-3CR/	Portable Remote	4250 4000	220/380 120/240	50 60	4 4t	3 1	4 5
4.0CCK-4R/ 5.0CCK-3CP/(AJ)	Remote Portable	4000 5000	120/208 120/240	60 60	4 4t	3 1	5 6
5.0CCK-3R/ (FJ) 5.0CCK-3CR/(FJ)	Remote Remote	5000 5000	120/240 120/240	60 60	4t 4t	1 1	7 7
5.0CCK-4R/ (FC) 5.0CCK-4XR/(FG) 5.0CCK-5DR/(FD)	Remote Remote Remote	5000 5000 5000	120/208 277/480 120/240	60 60 60	4 4 4	3 3 3	7 7 7
Contractor models. Refer to Special Parts Section in addition to those in Parts Catalog.							
4.2CCK-53CE/ 4.0CCK-3CE/ 5.0CCK-3CE/	Electric Electric Electric	4250 4000 5000	120/240 120/240 120/240	50 60 60	4t 4t 4t	1 1 1	- - -

\$ - The Specification Letter advances (A to B, B to C, etc.) with manufacturing changes.

t - Set is reconnectible for 120 volt 2 wire; 240 volt 2 wire or 120/240 volt 3 wire service.

Example of New Model Code Letters: 5.0CCK-AJ/10388P

First Letter (A) Stands for - Starting/Portability Codes (See Page 2 for  
Second Letter (J) Stands for - Voltage/Frequency Codes Code Charts)

NOTE: Hertz is a unit of frequency equal to one cycle per second.

### NOTICE!

Items referenced as OPTIONAL indicate part is factory installed and may not be applicable to all models. For field conversions additional part are usually required.

**CODE CHARTS  
FOR  
NEW MODEL CODE LETTERS**

OLD

5.0CCK-1R/10388P

NEW

5.0CCK-AJ/10388P

STARTING/PORTABILITY CODES		REPLACES
A	Portable - Manual Start - Non Remote	P
B	Portable - Electric Start - Non Remote	
C	Portable - Electric Start - Remote	
D	Stationary - Manual Start - Non Remote	M
E	Stationary - Electric Start - Non Remote	E
F	Stationary - Electric Start - Remote	R

VOLTAGE/FREQUENCY CODES			
60HZ		50HZ	
A	120 Volt. 1 Phase. 2 Wire	M	110/220 Volt. 1 Phase. 4W
B	120/240 Volt. 1 Phase. 3W	N	120/240 Volt. 1 Phase. 3W
C	120/208 Volt. 3 Phase. 4W	P	120/240 Volt. 1 Phase. 4W
D	120/240 Volt. 3 Phase. 4W	S	120/240 Volt. 3 Phase. 4W
E	240/480 Volt. 3 Phase. 4W	T	220/380 Volt. 3 Phase. 4W
F	220/380 Volt. 3 Phase. 4W	U	240 Volt. 1 Phase. 2W
G	277/480 Volt. 3 Phase. 4W	V	Not Assigned
H	347/600 Volt. 3 Phase. 4W	W	Not Assigned
J	120/240 Volt. 1 Phase. 4W	X	Not Assigned
K	416/440, 480 Volt. 3 Phase. 4W	Y	380, 400, 416 Volt. 3 Phase. 4W
L	Reconnectible	Z	Reconnectible
R - Special - See Prod. Order			

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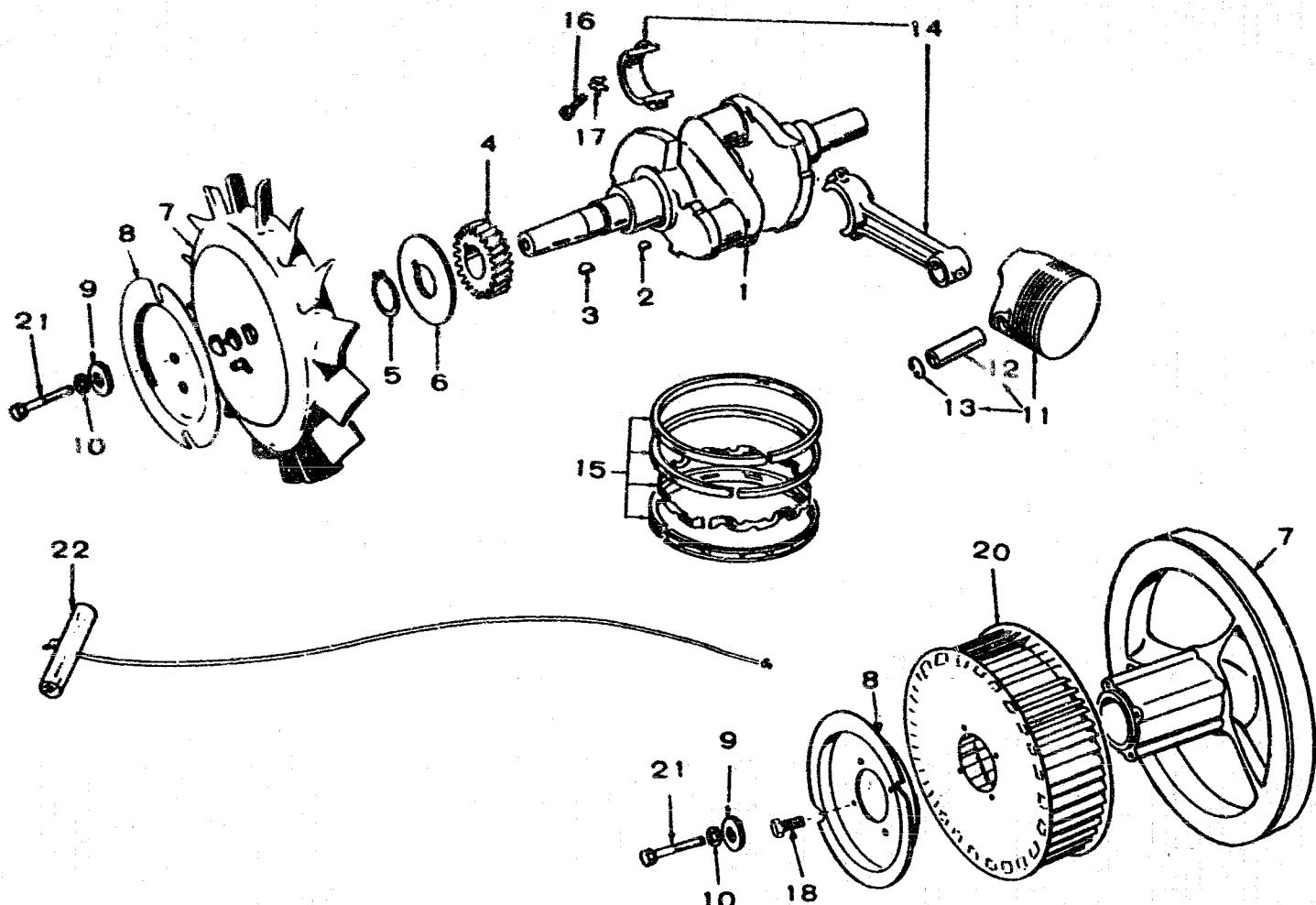
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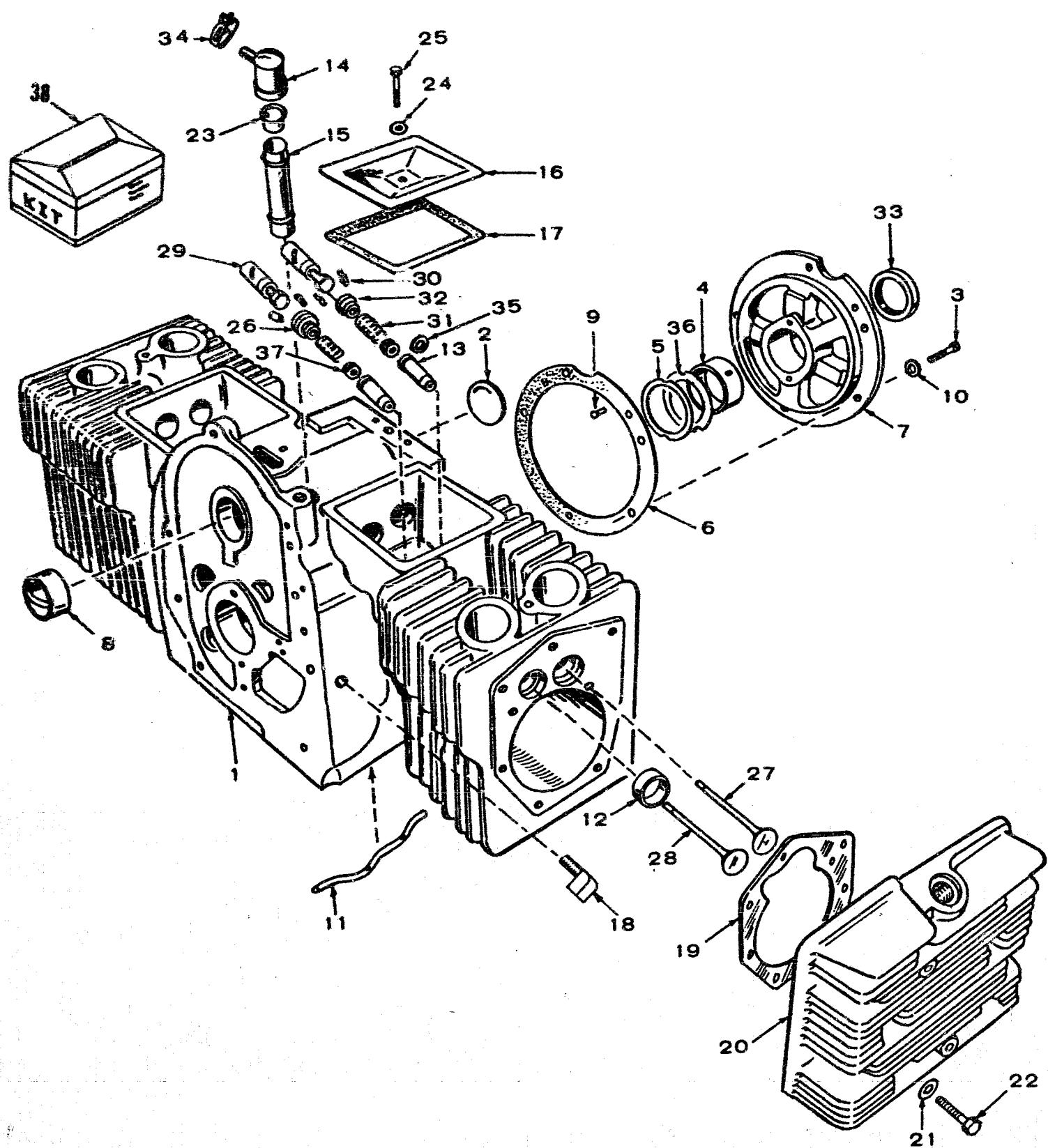
## Crankshaft, Flywheel, Piston and Rod



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Crankshaft (Includes Parts Marked *)	11			Piston and Pin (Includes Retaining Rings)
	104-1323	1	Through Spec R	112-0136	2		Standard
	104-1346	1	Begin Spec V	112-0136-10	2		.010" Oversize
2	515-0001	1	*Key, Crankshaft Gear Mounting	112-0136-20	2		.020" Oversize
3	515-0227	1	*Key, Flywheel Mounting	112-0136-30	2		.030" Oversize
4	104-0032	1	Gear, Crankshaft	112-0136-40	2		.040" Oversize
5	518-0014	1	Lock, Crankshaft Gear Washer	12	112-0069	2	Pin, Piston
6	104-0043	1	Washer, Crankshaft Gear Retainer	13	112-0003	4	Ring, Piston Pin Retainer
7			Flywheel	14			Rod, Connecting
	160-0937	1	Key 1,4,6 - With Magnets	114-0098	2		Standard
	134-0591	1	Key 2,3,5,7 - Pressure Cooling Sets	114-0098-10	2		.010" Undersize
	104-0499	1	Key 2,3,5,7 - Vacu-Flo Cooled Sets	114-0098-20	2		.020" Undersize
				114-0098-30	2		.030" Undersize
8			Sheave, Rope	15			Ring Set, Piston
	192-0308	1	Key 1,4,6	113-0152	2		Standard
	193-0308	1	Key 2,3,5,7 - Pressure Cooled Sets (Optional)	113-0152-10	2		.010" Oversize
	192-0272	1	Key 2,3,5,7 - Vacu-Flo Cooled Sets (Optional)	113-0152-20	2		.020" Oversize
9			Washer, Flat - Flywheel Mounting - Key 2,3,5,7	113-0152-30	2		.030" Oversize
	526-0128	1	Pressure Cooled Sets (15/32 ID x 1-1/2 OD x 1/4" Thk)	113-0152-40	2		.040" Oversize
	526-0017	1	Vacu-Flo Cooled Sets (15/32 ID x 1-1/4 OD x 1/4" Thk)	16	800-0548	4	Screw, Cap - Hex Head (Speci
10	850-0055	1	Washer, Lock - Spring (7/16")	17	114-0059	4	Washer, Lock - Connecting Ro
				18	821-0010	4	Cap
							Screw, Cap - Hex Washer Head (1/4-20 x 1-1/2")
				20	134-0565	1	Wheel, Blower - Key 2,3,5,7
				21	104-0170	1	Screw, Cap - Hex Head (Special)
				22	192-0083	1	Rope, Starting - Optional

\* - Parts Included in Crankshaft Kit.

## Cylinder Block

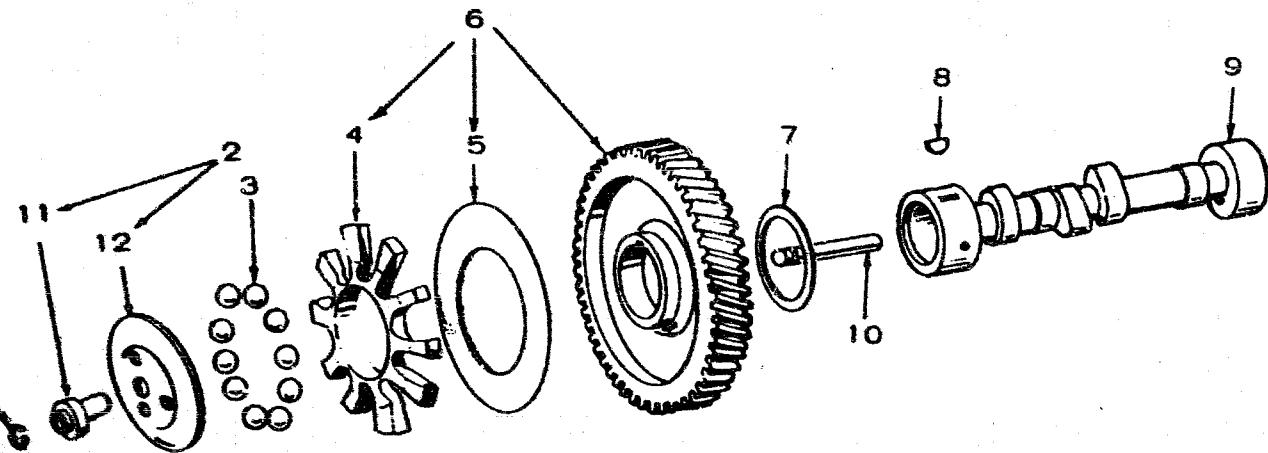


## Cylinder Block

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Block Assembly, Cylinder (Includes Parts Marked *)	20			Head, Cylinder
	110-0915	1	Standard		110-0890	1	Right Side #2 Cylinder
	110-1860	1	With Spin-on Oil Filter		110-0884	1	Gasoline
2	517-0048	1	*Plug, Expansion				Gas and Gas-Gasoline
3	800-0512	5	*Screw, Cap - Hex Head (5/16-18 x 1")				(Hi-Compression)
4			Bearing, Crankshaft (Includes Thrust Washer and Stop Pins)	110-0891	1		Left Side #1 Cylinder
	101-0450	2	* Standard	110-0883	1		Gasoline
	101-0450-02	2	.002" Undersize		21	526-0122	Gas and Gas-Gasoline
	101-0450-10	2	.010" Undersize		22	110-0879	(Hi-Compression)
	101-0450-20	2	.020" Undersize		114-0022	18	Washer, Flat (11/32 ID x 23/32 OD x 10 Ga. Thk)
	101-0450-30	2	.030" Undersize		23	123-0104	Screw, Cap - Hex Head (Spe
5	104-0575	2	*Washer, Crankshaft Bearing Thrust		24	526-0063	Cylinder Head
6	101-0115	1	*Gasket Kit, Bearing Plate		25	800-0012	Cylinder Head
7	101-0316	1	*Plate, Rear Bearing (Excludes Bearing)		26	110-0904	Valve, Check - Breather
8	101-0367	2	*Bearing, Camshaft Front and Rear (Precision) Note: Units with Hi-Lift Cam use 1 - 104-0405 Bearing		27	110-0881	Washer, Flat (Copper) (17/
					28	110-0880	ID x 7/16 OD x 1/32" Thk)
					29		Screw, Cap - Hex Head
9	516-0072	4	*Pin, Main Bearing Stop		30	110-0639	(1/4-20 x 2-1/4")
10	850-0045	5	Washer, Lock - Spring (5/16")		31	110-0539	Rotocap Exhaust Valve
11	120-0386	1	*Tube, Crankcase Oil		32		Valve, Intake
12			*Insert, Exhaust Valve Seat		110-0893	Valve, Exhaust	
	110-0872	2	Standard		110-0893	Tappet, Valve	
	110-0872-02	2	.002" Oversize		110-0893	Standard	
	110-0872-05	2	.005" Oversize		33	509-0041	.001" Oversize
	110-0872-10	2	.010" Oversize		34	503-0769	.002" Oversize
	110-0872-25	2	.025" Oversize		35	110-3136	.005" Oversize
13			Guide, Valve		36	104-0776	Lock, Valve and Spring Ret
	110-0902	4	*Used With No Seals on Valve Stems		37	509-0090	Spring, Valve
	110-1827	4	To Stop Oil Seepage - Used Only When Valve Stems Have Seals		38	123-1600	Washer, Valve Spring Retail (Special)
14	123-0293	1	Cap, Breather Tube				Gasoline - Intake
15	123-0129	1	Tube, Breather (Includes Steel Baffles)				Gas and Gas-Gasoline -
16	110-0666	2	Cover, Valve Compartment				Intake and Exhaust
17	110-0667	2	Gasket, Valve Cover				Seal, Oil - Included in Ki
18	502-0020	1	Elbow, Street - On Line				168-0103
19	110-0892	2	Gasket, Cylinder Head				Clamp, Breather Line
							*Gasket, Intake Valve Guide
							Shim, Rear Bearing Plate (.005")
							Seal, Oil - Intake Valve
							Kit, Breather King (Option (Includes Breather Hose
							Insulation, Breather Insulator, Governor Control R
							Cable Ties and Instructio
							Sheet)

\* - Parts Included in Cylinder Block Assembly.

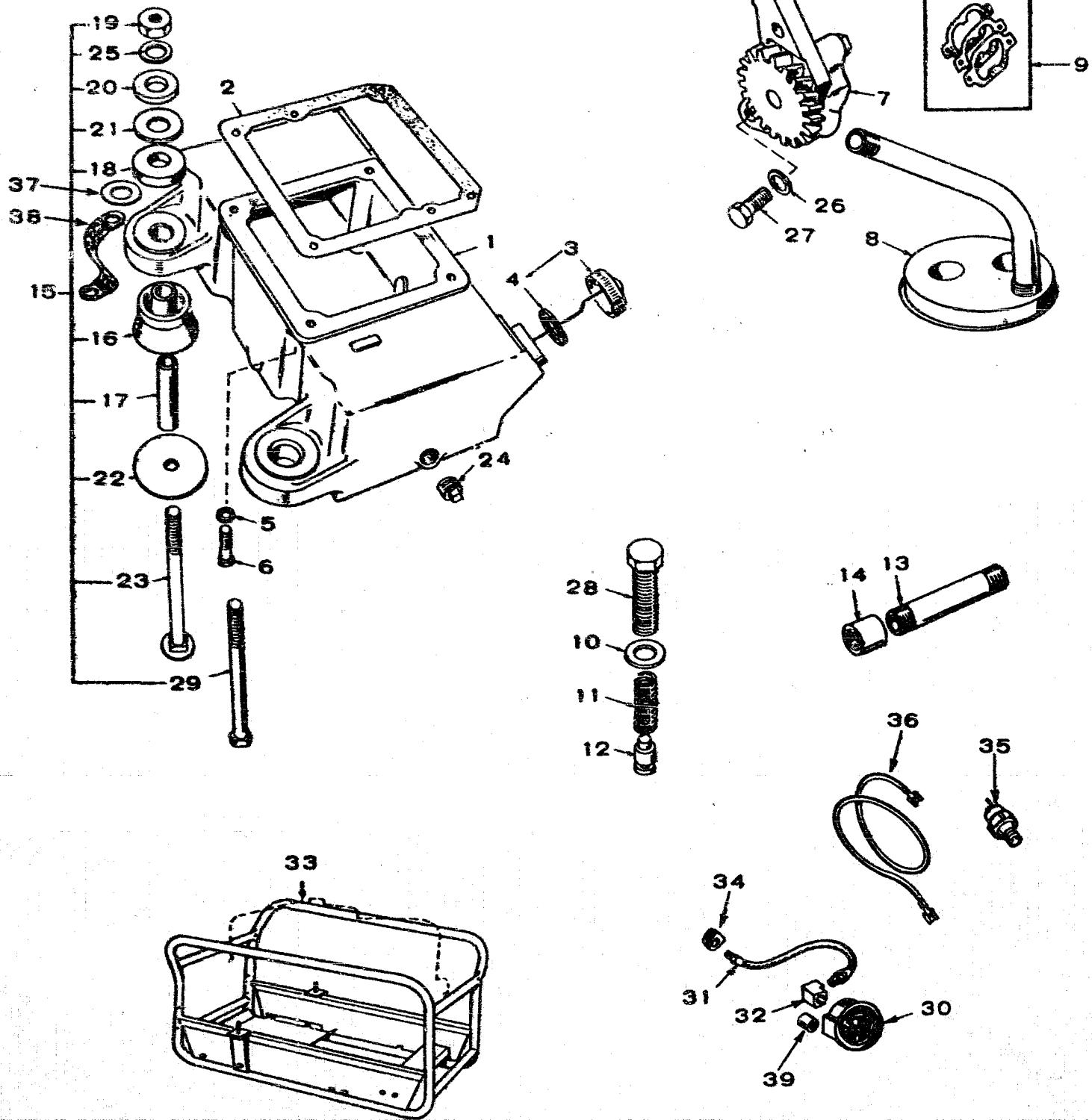
## Camshaft



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0078	1	Ring, Camshaft Center Pin	7	105-0541	1	Washer, Camshaft Gear Thrust
2	150-1695	1	Kit, Governor Cup (Includes Parts Marked *)	8	515-0001	1	Key, Camshaft Gear Mounting
3	510-0015	10	Ball, Fly - Governor	9	105-0140	1	Camshaft (Includes Center Pin)
4	150-1257	1	Spacer, Governor Fly Ball	10	150-0075	1	Pin, Camshaft Center
5	150-0077	1	Plate, Governor Fly Ball	11	150-1519	1	*Hub, Governor Cup
6	105-0332	1	Gear, Camshaft (Includes Flyball Spacer and Plate)	12	150-1520	1	*Cup, Governor

\* - Parts Included in 150-1695 Governor Cup Kit.

## Oil System and Mounting Hardware



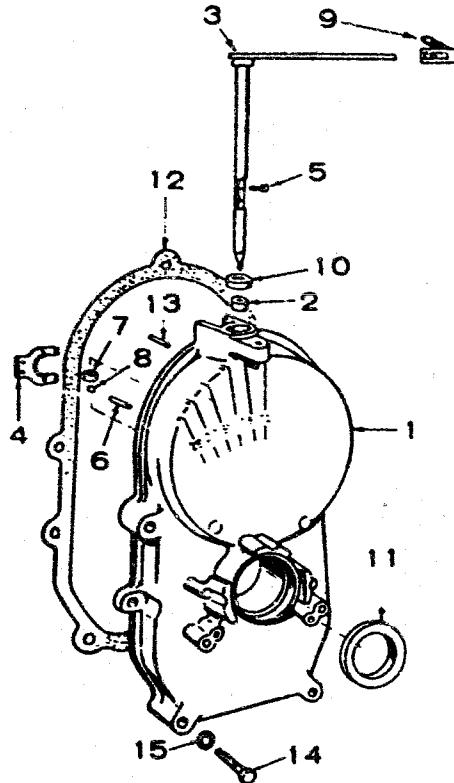
## Oil System and Mounting Hardware

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
1			Base, Oil	23	816-0212	4	*Bolt, Carriage (7/16-14 x 5-1/2") - Key 2,3,5,7	
	102-0686	1	Key 1,4,6				Plug, Pipe - Oil Drain	
	102-0579	1	Key 2,3,5,7	24	505-0056	1	1/2"	
	102-0859	1	Key 2,3,5,7 - Sets with Oil Base Heater or Dual Drain		505-0054	1	1/4" - Optional	
					505-0110	1	3/8" - Optional	
2	102-0158	1	Gasket, Oil Base	25	850-0055	4	*Washer, Lock - Spring (7/1	
3	123-0489	1	Cap and Indicator, Oil Fill	26	850-0040	2	Washer, Lock - Spring (1/4	
4	123-0191	1	Gasket, Oil Fill Cap	27	800-0007	2	Screw, Cap - Hex Head (1/4-20 x 1")	
5	850-0050	4	Washer, Lock - Spring (3/8")	28	801-0048	1	Screw, Cap - Hex Head (3/8-24 x 3/4")	
6	102-0455	4	Screw, Cap - Hex Head (Special)	29	800-0082	4	*Screw, Cap - Hex Head (7/16-14 x 3-3/4") - Key 1,4,6 and Housed Sets	
7	120-0491	1	Pump, Oil - Complete (Internal Parts Not Sold Separately)	30	193-0005	1	+Gauge, Oil Pressure	
8	120-0400	1	Cup, Oil Pump Intake (Includes Cup, Pipe and Screw)	31	501-0004	1	+Line, Oil - Flexible	
9	120-0161	1	Gasket Kit, Oil Pump		501-0003	1	Keys 1,4,5,6 (12")	
10	526-0066	1	Washer, Flat (25/64" ID x 9/16" OD x 1/16" Thk)		502-0005	1	Sets with Oil Filter (9")	
11	120-0140	1	Spring, Bypass Valve		33	1	Elbow, Inverted Female (90	
12	120-0398	1	Valve, Bypass				Frame, Carrying	
13			Nipple, Oil Drain				Keys 1,4,6 (Also Contract Model)	
	505-0081	1	Key 1,4,6 (1/2" x 3-1/2")		403-1015	1	Keys 2,3,5,7 - Spec R th	
	505-0210	1	Housed Sets (1/2" x 2")		403-1328	1	Keys 2,3,5,7 - Begin Spec	
14	505-0014	1	Coupling, Oil Drain - Key 1,4,6 and Housed Sets		403-1661	1	Key 1 - Begin Spec V	
15			Mounting Package (Includes Parts Marked *)		403-1895	1	Grommet, Rubber - Oil Line (Sets with Oil Filter)	
	402-0407	1	Key 1,4,6		34	1	Switch, Low Oil Pressure - Begin Spec V - Keys 2,3,5	
	402-0408	1	Key 2,3,5,7		35	1	Lead, Low Oil Pressure Swi	
	402-0407	1	Housed Sets		36	1	Begin Spec V - Keys 2,3,5	
16	402-0283	4	*Cushion, Vibration		37	856-0012	8	Washer, Lock - EIT (7/16")
17	402-0290	4	*Bushing, Mounting		38	4	Housed Sets - Begin Spec	
18	402-0282	4	*Snubber, Shock Mounting		39	1	Strap, Bond - Housed Sets	
19	862-0004	4	*Nut, Hex (7/16-14)				Begin Spec V	
20	526-0014	4	*Washer, Flat (24/64" ID x 1-1/2" OD x 1/8" Thk)				Connector, Inverted - Fema	
21	526-0198	8	*Washer, Flat (5/8" ID x 1-1/2" OD x 1/16" Thk)				(Sets with Oil Filter and Contractors Model)	
22	526-0195	4	*Washer, Flat (29/64" ID x 3-1/4" OD x 1/8" Thk)					
			Key 2,3,5,7					

\* - Parts Included in Mounting Package.

+ - Not Used Spec V - Remote Sets.

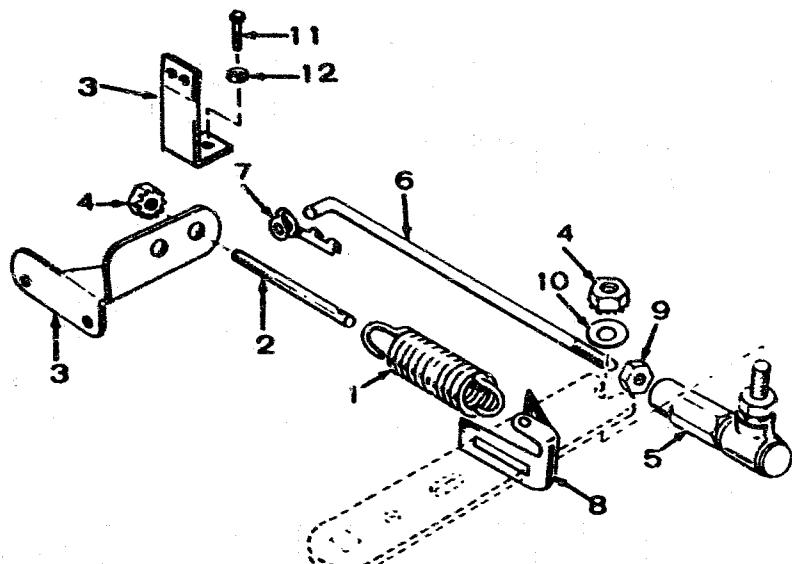
## Gearcase



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Gearcase Assembly (Includes Parts Marked *)	6	516-0130	1	*Pin, Roll - Governor Cup Stop (3/16" x 7/8")
103-0357	103-0357	1	Spec R	7	510-0008	1	*Bearing, Governor Shaft - Lower
103-0641	103-0641	1	Spec S, T	8	510-0014	1	*Bearing, Ball - Governor Shaft
103-0667	103-0667	1	Begin Spec U	9	150-0678	1	*Clip, Governor Sensitivity Adjustment
2	510-0013	1	*Bearing, Governor Shaft - Upper	10	509-0008	1	*Seal, Oil
3	150-0377	1	*Shaft and Arm, Governor Without Clip - Begin Spec S	11	509-0040	1	*Seal, Oil
150-1286	150-1286	1	Through Spec R (With Clip)	12	103-0011	1	Gasket, Gearcase
150-1542	150-1542	1	Without Sensitivity Clip - Begin Spec U	13	516-0141	2	Pin, Dowel (5/16 x 1-1/8")
150-1564	150-1564	1	With Sensitivity Clip - Begin Spec U	14	800-0032	4	Screw, Cap - Hex Head 5/16-18 x 1-3/4"
4	150-1187	1	*Yoke, Governor Shaft - Spec R, T, U, V	800-0034		1	5/16-18 x 2-1/4"
5	815-0046	2	*Screw, Machine - Pan Head (#8-32 x 3/8")	15	850-0045	5	Washer, Lock - Spring (5/16")

\* - Parts Included in Gearcase Assembly.

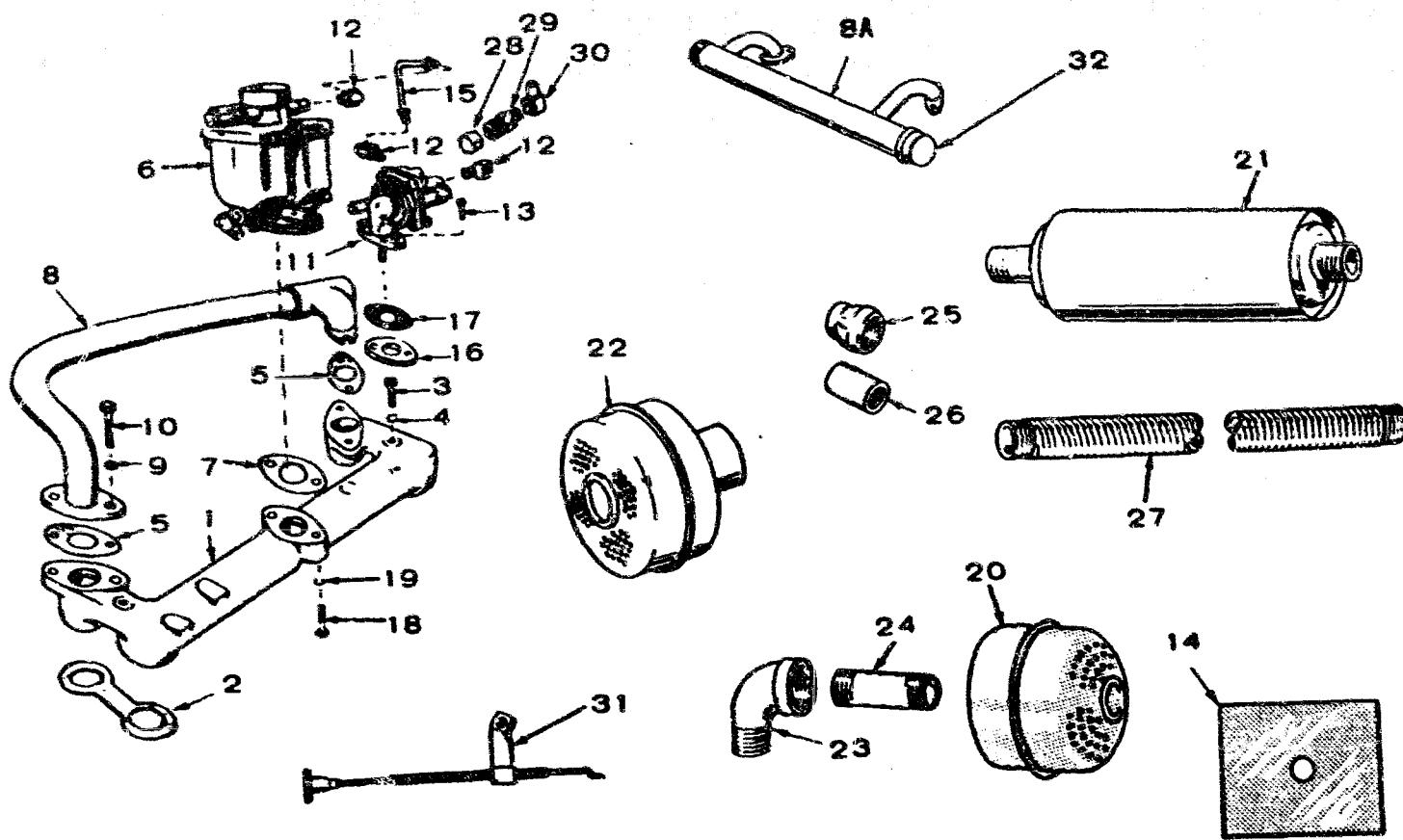
## Governor



FS-1143

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	150-0098	1	Spring, Governor	7	518-0006	1	Clip, Rod End
2	150-0096	1	Stud, Governor Speed Adjustment	8	150-0678	1	Clip, Governor Sensitivity
3	150-0040	1	Bracket, Governor Stud Gasoline, Gas-Gasoline Sets	9	870-0053	1	Nut, Hex (#10-32)
	150-1577	1	Gas Carburetor Sets	10	526-0196	1	Washer, Flat (7/32 ID x 7/16 OD x 1/8" Thk)
4	870-0131	2	Nut, Hex With ET (#10-32)	11	800-0004	2	Screw, Cap - Gas Carburetor Sets (1/4-20 x 5/8")
5	150-0639	1	Joint, Ball	12	526-0063	2	Washer (Copper) - Gas Carburetor Sets - (17/64" I x 7/16" OD x 1/32" Thk)
6	150-0629	1	Link, Governor Arm to Carburetor				

## Fuel System and Exhaust

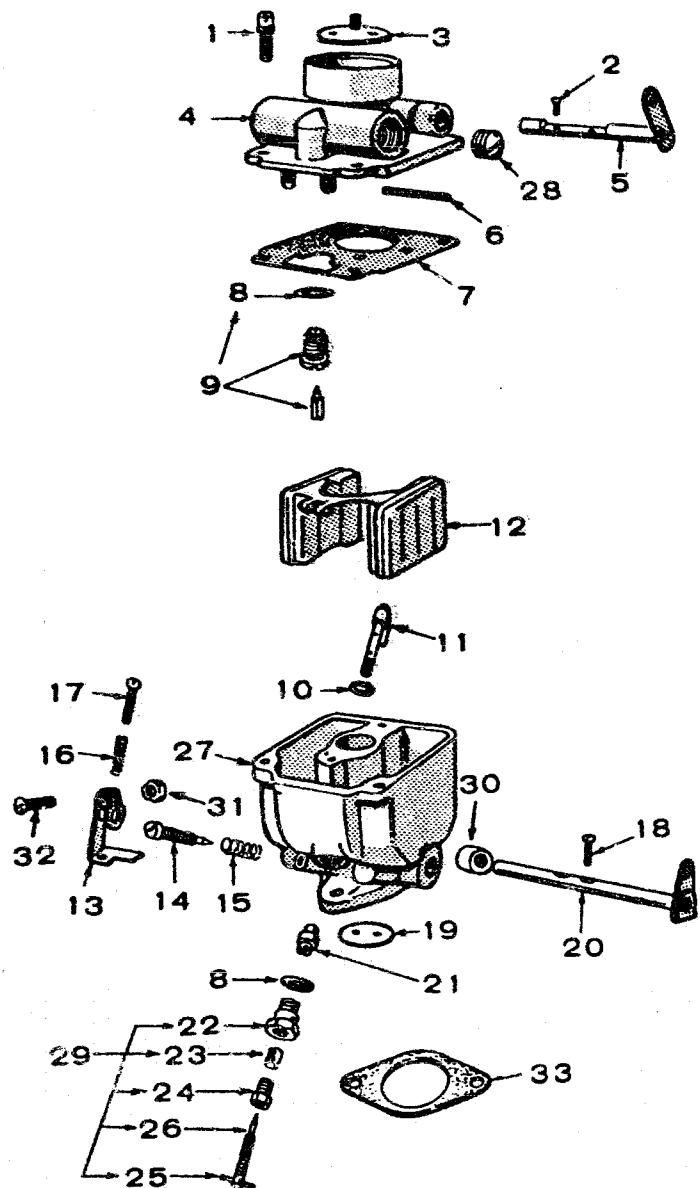


FS-1144

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	154-0383	1	Manifold, Intake	15	149-0611	1	Line, Fuel Pump to Carburetor
	154-0670	1	Sets without Vacuum Switch	16	149-0045	1	Spacer, Fuel Pump
			Sets with Vacuum Switch (Has 1/8" Pipe Plug Hole)	17	149-0003	2	Gasket, Fuel Pump Mounting
2	154-0013	2	Gasket, Intake Manifold	18	800-0009	2	Screw, Cap - Hex Head (1/4-20 x 1-1/2")
3	800-0054	2	Screw, Cap - Hex Head (3/8-16 x 2")	19	850-0040	2	Washer, Lock - Spring (1/4")
4	850-0050	2	Washer, Lock - Spring (3/8")	20	155-0484	1	Muffler, Exhaust - Key 1,4,6
5	154-0360	2	Gasket, Exhaust Manifold Mounting	21	155-0076	1	Muffler, Exhaust - Key 2,3,5,7
6			Carburetor, Complete - Gasoline (Includes Mounting Gasket)	22	155-0522	1	Muffler, Exhaust - Housed Sets
	142-0645	1	Manual Choke - Key 1,4,6 (For Components See 142-0363)	23	505-0333	1	Elbow, Street (1" x 45°) - Key 1,4,6
	142-0646	1	Electric Choke - Key 2,3,5 (For Components See 142-0364)	24	505-0004	1	Nipple, Close - Exhaust (1" x 1-1/2") - Key 1,4,6
7	141-0078	1	Gasket, Carburetor Mounting	25	505-0138	1	Coupling, Reducer - Exhaust (1-1/4" x 1") Vacu-Flo Cooled Sets
8	154-0526	1	Manifold, Exhaust - Pressure Cooled Sets	26	505-0030	1	Coupling, Pipe - Exhaust (1") - Key 2,3,5,7
8A	154-0377	1	Manifold, Exhaust - Vacu-Flo Cooled Sets	27	155-0491	1	Tubing, Flexible - Exhaust (36") - Key 2,3,5,7
9	850-0045	4	Washer, Lock - Spring (5/16")	28	149-1861	1	Valve, Fuel Safety - Begin Spec V (Kit) (Includes Parts Marked *)
10	800-0028	4	Screw, Cap - Hex Head (5/16-18 x 1")	29	502-0082	1	*Nipple, Hex - Pipe - Begin Spec V
11	149-1784	1	Pump, Fuel (Includes Mounting Gasket) (For Components See Separate Group)	30	502-0020	1	*Elbow, Street - Pipe (90°) - Begin Spec V
12	502-0002	3	Elbow, Street - (1) Fuel Pump Inlet, (1) Fuel Pump Outlet, (1) Carburetor Inlet	31	149-0271	1	Primer Assembly, Fuel Pump (With Bracket) - Begin Spec V - Key 1,4
13	806-0009	2	Screw, Cap - Counterbore (Special)	32	505-0329	1	Cap, Pipe (1-1/4")
14	NFS	1	Plate, Exhaust Wall - Key 2,3,5,7				

\* - Parts Included in 149-1861 Fuel Valve Kit.

## Carburetor Parts - Gasoline



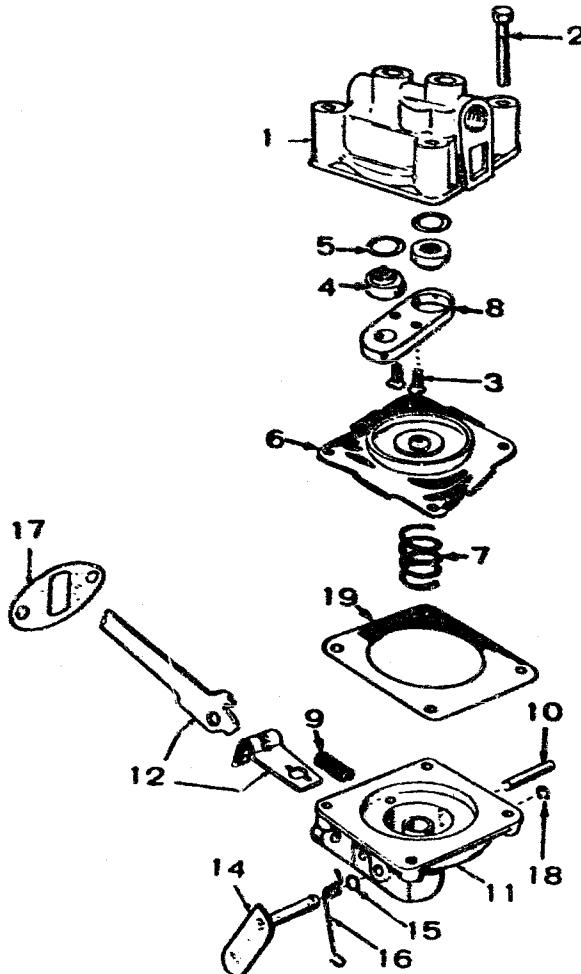
## Carburetor Parts - Gasoline

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION	
			Carburetor, Complete - Gasoline (Includes Mounting Gasket)	16	142-0035	1	Spring, Throttle Stop Adjusting Screw	
	142-0645	1	Key 1,4,6	17	812-0063	1	Screw, Machine - Round Head (#6-32 x 1/2")	
	142-0646	1	Key 2,3,5,7	18	815-0072	2	+Screw, Machine - Round Head (#4-40 x 1/4")	
1			Screw, Machine - Fillister Head	19	142-0369	1	Fly, Throttle	
	815-0103	1	#10-24 x 1/2"	20	142-0368	1	+Shaft, Throttle	
	815-0109	2	#10-24 x 5/8"	21	142-0370	1	Nut and Jet, Nozzle	
2	815-0091	2	+Screw, Machine - Fillister Head with IT (#4-40 x 3/16")	22	142-0046	1	Retainer, Main Adjusting Needle	
3			Fly, Choke	23	142-0206	1	+Packing Main Adjusting Need	
	142-0055	1	Key 1,4,6	24	142-0045	1	Retainer, Main Adjusting Needle Packing	
	142-0037	1	Key 2,3,5,7	25	516-0027	1	Pin, Main Adjusting Needle	
4	142-0205	1	Sleeve, Choke (Cover)	26	142-0041	1	+Needle, Main Adjusting	
5			Shaft, Choke	27		1	Body Assembly (Not Sold Separately)	
	142-0217	1	Key 1,4,6	28	505-0008	1	Plug, Pipe - Slotted (1/8")	
	142-0183	1	Key 2,3,5,7	29	142-0042	1	Needle Assembly, Main Adjusting	
6	142-0039	1	+Shaft, Float	30	142-0343	2	Bushing, Throttle Shaft	
7	142-0031	1	*Gasket, Fuel Bowl	31	870-0053	1	Nut, Hex (#10-32)	
8	148-0017	2	*Gasket, (1) Float Valve Seat, (1) Main Adjusting Needle Retainer	32	813-0103	1	Screw, Machine - Round Head (#10-32 x 3/4")	
9			Valve and Seat Assembly	33	142-0033	1	+Kit, Gasket (Includes Parts Marked *)	
	142-0049	1	+ Sets Without Day Tank		142-0371	1	Kit, Repair (Includes Parts Marked +)	
	142-0356	1	Sets With Day Tank		33	141-0078	1	*Gasket, Carburetor Mounting
10	142-0032	1	*Gasket, Nozzle					
11	142-0285	1	Nozzle Assembly					
12	142-0361	1	Float and Lever Assembly					
13	145-0008	1	Lever, Idle Stop					
14	142-0040	1	+Needle, Idle Adjusting					
15	142-0282	1	Spring, Idle Adjusting Needle					

\* - Parts Included in 142-0033 Gasket Kit.

+ - Parts Included in 142-0371 Repair Kit.

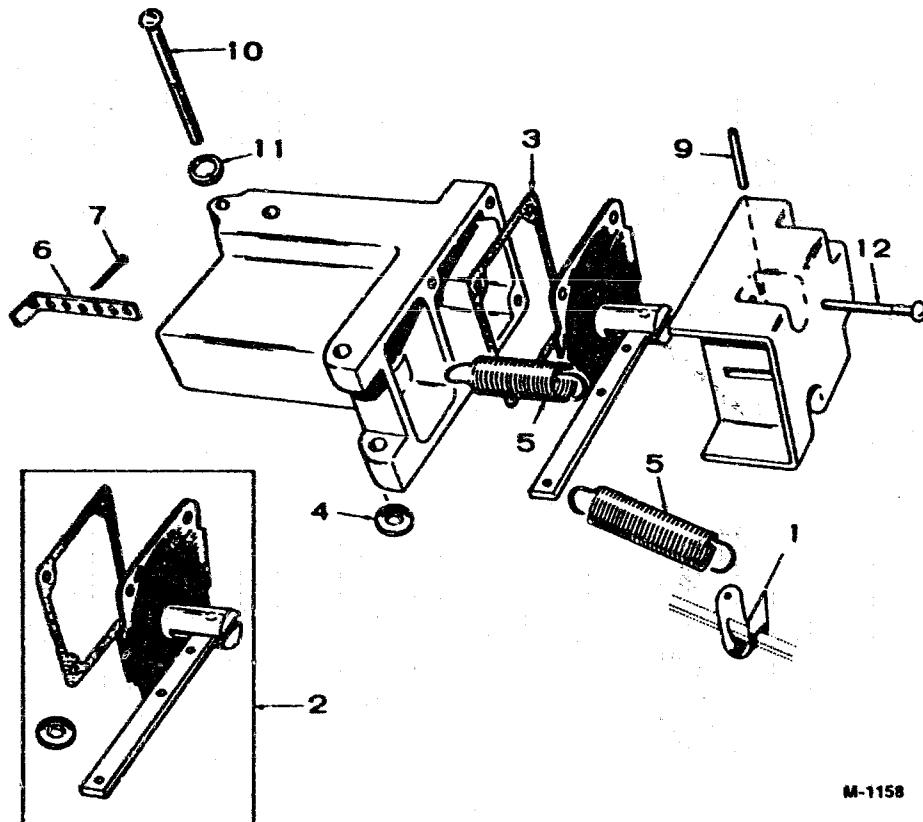
## Fuel Pump Parts



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
149-1784	1	1	Pump, Fuel - Complete (Includes Mounting Gasket)	7	149-0672	1	*Spring
149-0526	1	1	Kit, Repair (Includes Parts Marked *)	8	149-0539	1	Retainer, Valve Cage
1	1	1	Body (Not Sold Separately)	9	149-0675	1	*Spring
2	2	1	Screw, Machine - Hex Head #8-32 x 7/8"	10	516-0113	1	Pin, Rocker Arm
815-0148	2	2	#8-32 x 1"	11		1	Body (Not Sold Separately)
815-0150	2	2		12	149-0710	1	Link and Arm, Rocker
3	815-0147	2	Screw, Tapping - Oval Head (#6-32 x 5/8")	14	149-0551	1	Lever, Primer
4	149-0096	2	*Valve and Cage	15	509-0065	2	Seal, "O" Ring
5	149-0095	2	*Gasket, Valve	16	149-0404	1	Spring, Primer Lever
6	149-0582	1	*Diaphragm Assembly	17	149-0003	1	*Gasket, Pump Mounting
				18	518-0129	1	Ring, Retainer - Primer Lever
				19	149-0858	1	*Gasket, Diaphragm - Lower Side

\* - Included in 149-0526 Repair Parts Kit.

## Vacuum Speed Booster



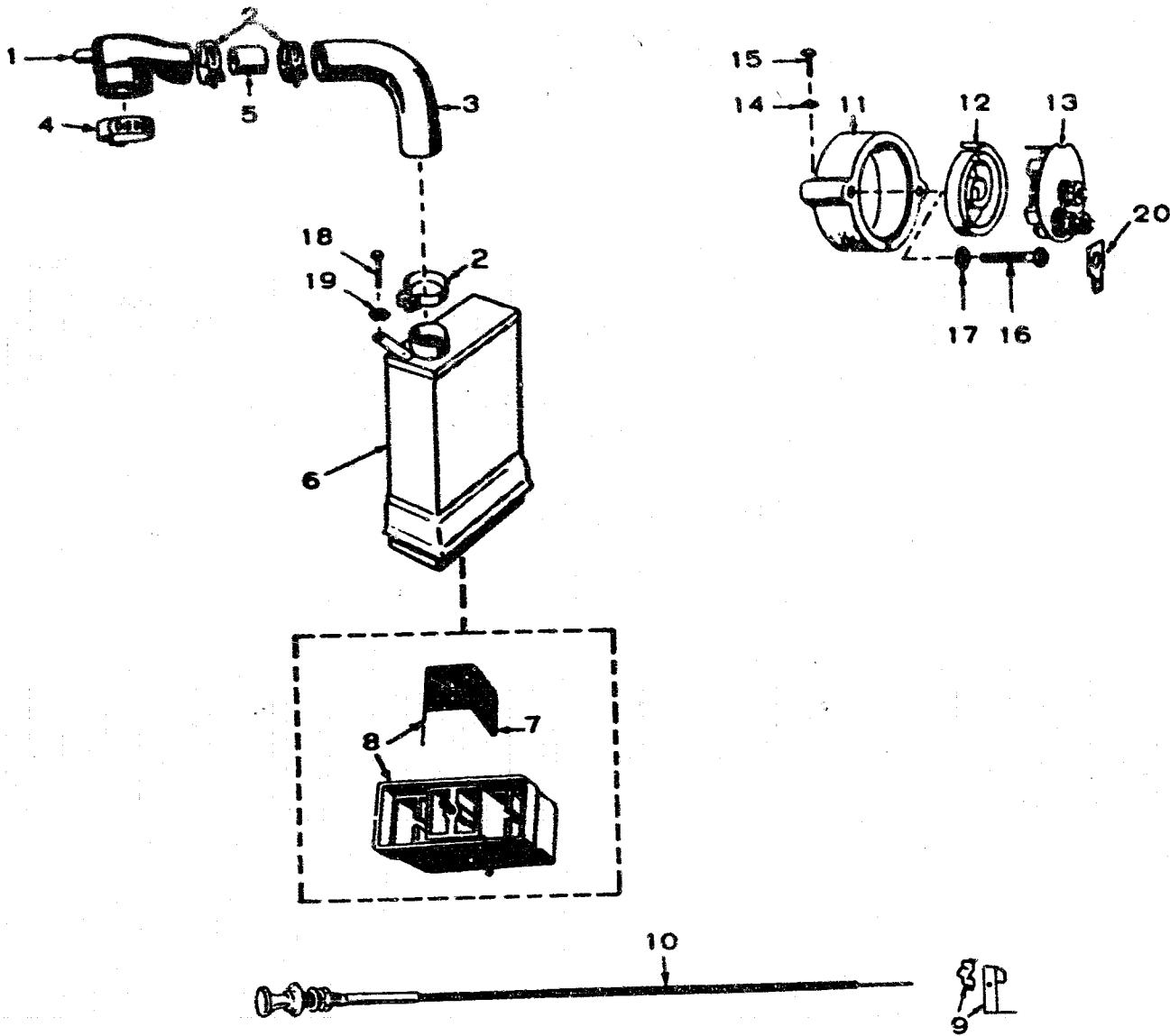
M-1158

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	150-0433	1	Kit, Vacuum Speed Booster Replacement (Includes Parts Marked *)
1	150-0430	1	Bracket, Spring to Governor Link
2	150-0434	1	*Kit, Diaphragm Replacement (Includes Parts Marked +)
3	150-0668	1	+*Gasket, Diaphragm Plate
4	150-0425	1	+*Gasket, Booster to Manifold
5	150-0366	2	*Spring, Internal and External
6	150-0376	1	*Bracket, Internal Spring Adjusting
7	516-0039	1	*Pin, Cotter (3/32 x 5/8")

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
9	516-0085	1	*Pin, Roll - Diaphragm Lever Pivot (3/32 x 3/4")
10	813-0110	2	Screw, Machine - Round Head (#10-32 x 2")
11	853-0008	2	Washer, Lock - Spring (#1
12	815-0148	4	*Screw, Machine - Round Head (#8-32 x 7/8")

\* - Parts Included in 150-0433 Vacuum Speed Booster Replacement Kit.  
+ - Parts Included in 150-0434 Diaphragm Replacement Kit.

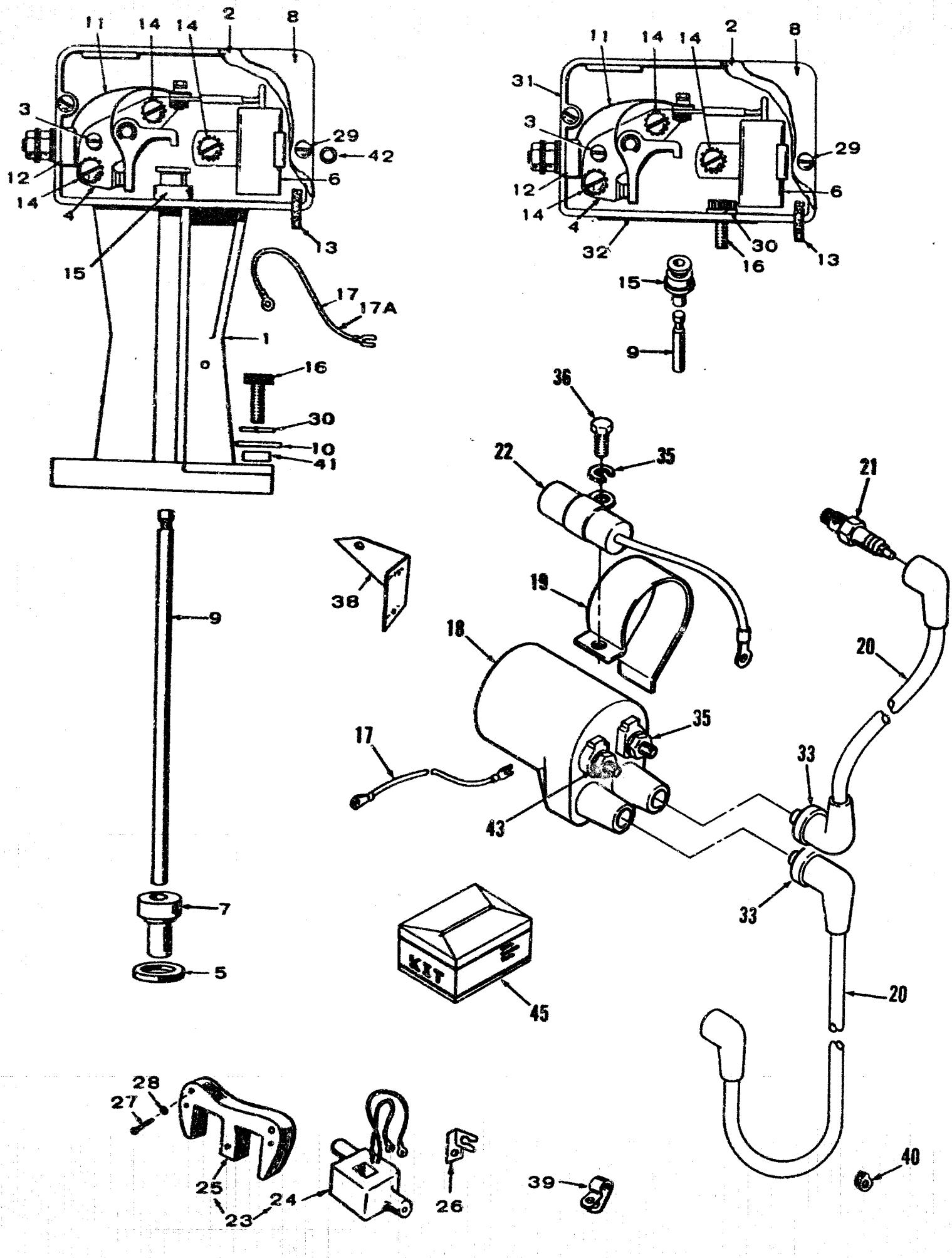
## Air Cleaner and Choke



M-1159

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	145-0080	1	Inlet, Carburetor Air	13	153-0114	1	Element and Cover, Choke - Key 2,3,5,7
2	503-0280	3	Clamp, Air Cleaner Hose	14	850-0030	1	Washer, Lock - Spring (#10) - Key 2,3,5,7
3	503-0480	1	Hose, Air Cleaner	15	815-0110	1	Screw, Machine - Fillister Head (#10-32 x 7/8") - Key 2,3,5,7
4	503-0107	1	Clamp, Air Inlet to Carburetor	16	815-0285	2	Screw, Machine - Round Head With ET (#10-32 x 5/16") - Key 2,3,5,7
5	140-0211	1	Sleeve, Air Cleaner	17	526-0062	2	Washer, Flat - Brass (Special)
6	140-0399	1	Cleaner, Air	18	821-0004	2	Screw, Cap - Hex Washer Head (#10-32 x 3/8")
7	140-0068	1	Screen, Air Cleaner	19	856-0003	2	Washer, Lock - EIT (#10)
8	140-0403	1	Cup Assembly, Air Cleaner (Includes Screen)	20	332-0527	1	Terminal, Wire
9	153-0263	1	Bracket and Clip, Choke - Key 1,4,6				
10	153-0097	1	Choke, Manual - Key 1,4,6				
11	153-0440	1	Housing, Electric Choke - Key 2,3,5,7				
12	153-0017	1	Choke, Bi-Metal - Key 2,3,5,7				

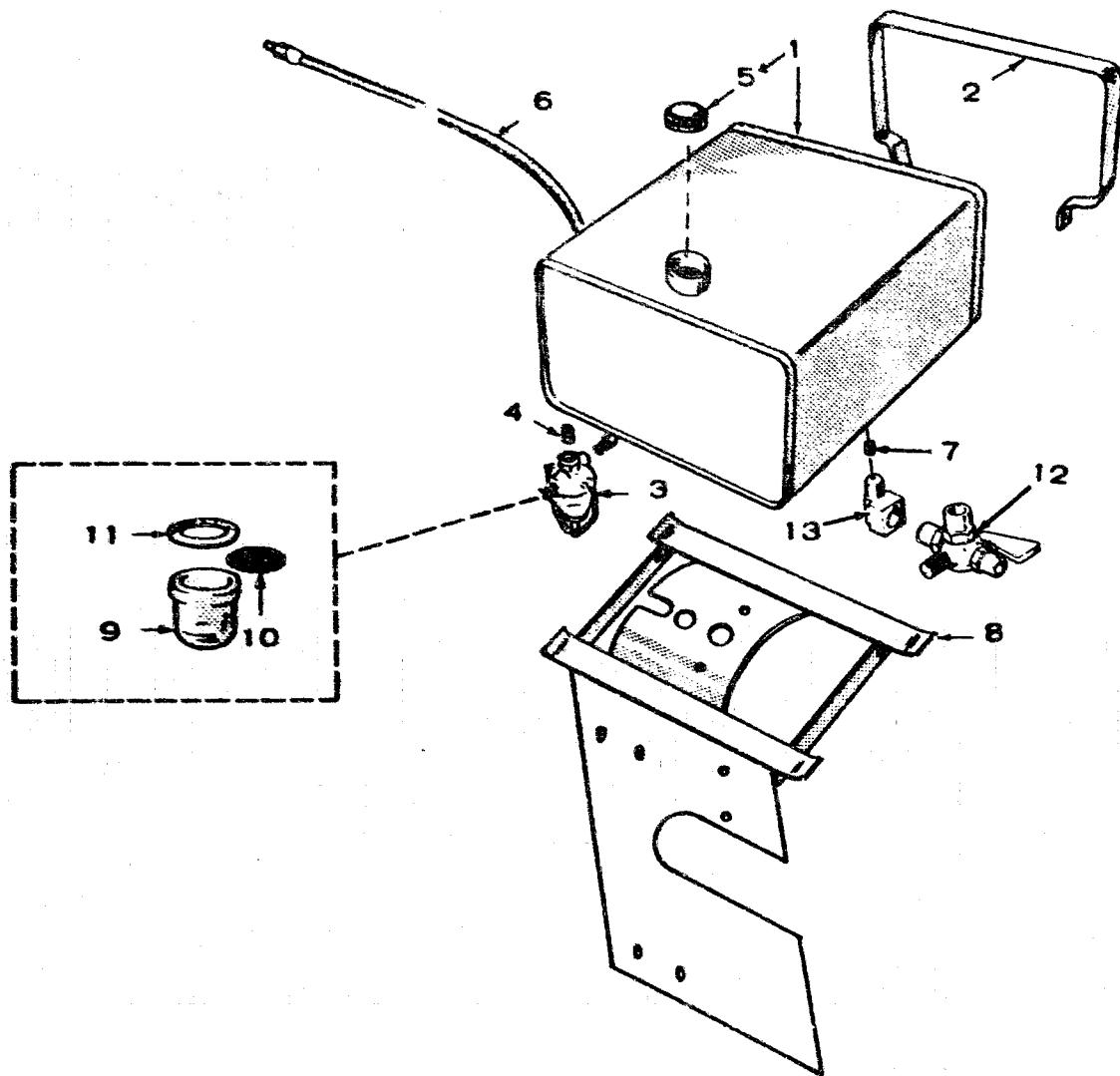
### Ignition System



## Ignition System

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	160-1135	1	Box Assembly, Breaker - Gasoline Sets (Includes Mounting Gasket) (Includes Parts Marked *)	22			Condenser, Ignition Coil Suppression
2	160-0150	1	+*Gasket, Breaker Box Cover	312-0027	1		Keys 2,3,5,7
3	160-0075	1	+*Pivot, Breaker Arm	312-0017	1		Begin Spec V - Keys 2,3,5,7
4	160-0002	1	+*Point, Set Breaker	23	160-0752	1	Stator Assembly, Magneto (Includes Coil and Pole Shoe - Key 1,4,6)
5	160-1040	1	*Gasket, Breaker Box Mounting - Gasoline Sets	24	160-0750	1	Coil, Magneto Stator - Key 1,4,6
6	312-0069	1	§+*Condenser, Breaker Box (.3 Mfd.)	25	160-0749	1	Pole Shoe, Magneto Stator - Key 1,4,6
7	160-1041	1	*Bushing, Breaker Box - Gasoline Sets	26	167-0188	4	Clip, Magneto Lead - Key 1,4,
8	160-0930	1	+*Cover, Breaker Box	27	815-0259	2	Screw, Tapping - Hex Head (1/4-20 x 1-1/4") - Key 1,4,
9	160-0723	1	Plunger, Breaker	28	526-0015	2	Washer, Flat (9/32" ID x 9/16" OD x 1/16" Thk) - Key 1,4,6
	160-0265	1	* Gasoline Sets	29	812-0077	2	Screw, Machine - Round Head (#8-32 x 3/8")
10	526-0214	2	+ Gas and Gas-Gasoline Sets	30	850-0040	2	Washer, Lock - Spring - 1/4"
		2	Washer, Flat (17/64 ID x 1/2 OD x 1/16" Thk)	31			Box Assembly, Breaker - Gas and Gas-Gasoline Sets (Includes Parts Marked +)
11	160-0428	1	+*Strap, Point Set to Breaker Box Terminal Block	160-1171	1		Prior to Serial C770221140
12	160-0349	1	+*Block and Terminal Assembly, Breaker Box	160-0257	1		Begin Serial C770221140
13	160-0261	1	+*Wick, Breaker Box	32	160-0043	1	Gasket, Breaker Box Mounting
			Screw, Machine - Round Head with ET	33	160-0558	2	Gas and Gas-Gasoline Sets
	815-0285	3	* Gasoline Sets (#8-32 x 5/16")	35	166-0554	2	Nipple, Spark Plug Cable
	518-0049	3	+ Gas and Gas-Gasoline Sets (#8-32 x 1/4")	36	815-0350	1	**Nut, Hex - Metric (M5 x .8)
15			Guide, Plunger	37	856-0003	1	Screw, Tapping - Slotted Hex Head (#10-32 x 3/8")
	160-0931	1	* Gasoline Sets	38	166-0519	1	Washer, Lock - Spring (#10)
	160-0264	1	+ Gas and Gas-Gasoline Sets	39	332-1876	1	Bracket, Timing - Vacu-Flo Sets
16	802-0035	2	Screw, Machine - Socket Head	40	508-0095	2	Clamp, AC Leads Holdown - Spec V
	802-0034	2	* Gasoline Sets (1/4-20 x 7/8")	41	526-0184	2	Grommet, Rubber (11/32" ID)
			+ Gas and Gas-Gasoline Sets (1/4-20 x 3/4")	42	856-0002	2	Washer, Flat (17/64" ID x 5/8" OD x 10 Ga. Thk)
17	166-0702	1	Kit, Lead Replacement (Includes Parts Marked **)	43	850-2005	2	Washer, Lock - EIT (#8)
17A	336-4414	1	+*Lead Assembly, Coil to Breaker Box	45	160-0836	1	**Washer, Lock - Ignition Coil (M5, Metric)
18			Coil, Ignition - Key 2,3,5,7 (Includes Qty 2 166-0554 Hex Nuts)				Ignition Tune-Up Kit (Includes Parts Marked §)
	166-0772	1	Prior to Serial A760988660 (Includes Parts Marked †)				
	166-0772	1	Begin Serial A760998660				
19	166-0588	1	Clamp, Ignition Coil - Key 2,3,5,7				* - Parts Included in 160-1135 Breaker Box Assembly
20			Cable, Spark Plug				+ - Parts Included in 160-1171 and 160-0257 Breaker Box Assembly.
	167-1602	2	Key 1,4,6				** - Parts Included in 166-0702 Lead Replacement Kit
	167-1602	1	Key 2,3,5,7 (Right Cyl)				§ - Parts Included in 160-0836 Ignition Tune-Up Kit
	167-1602	1	Key 2,3,5,7 (Left Cyl)				
21			Plug, Spark				
	167-0241	2	Non-Resistor				
	167-0237	2	Resistor				

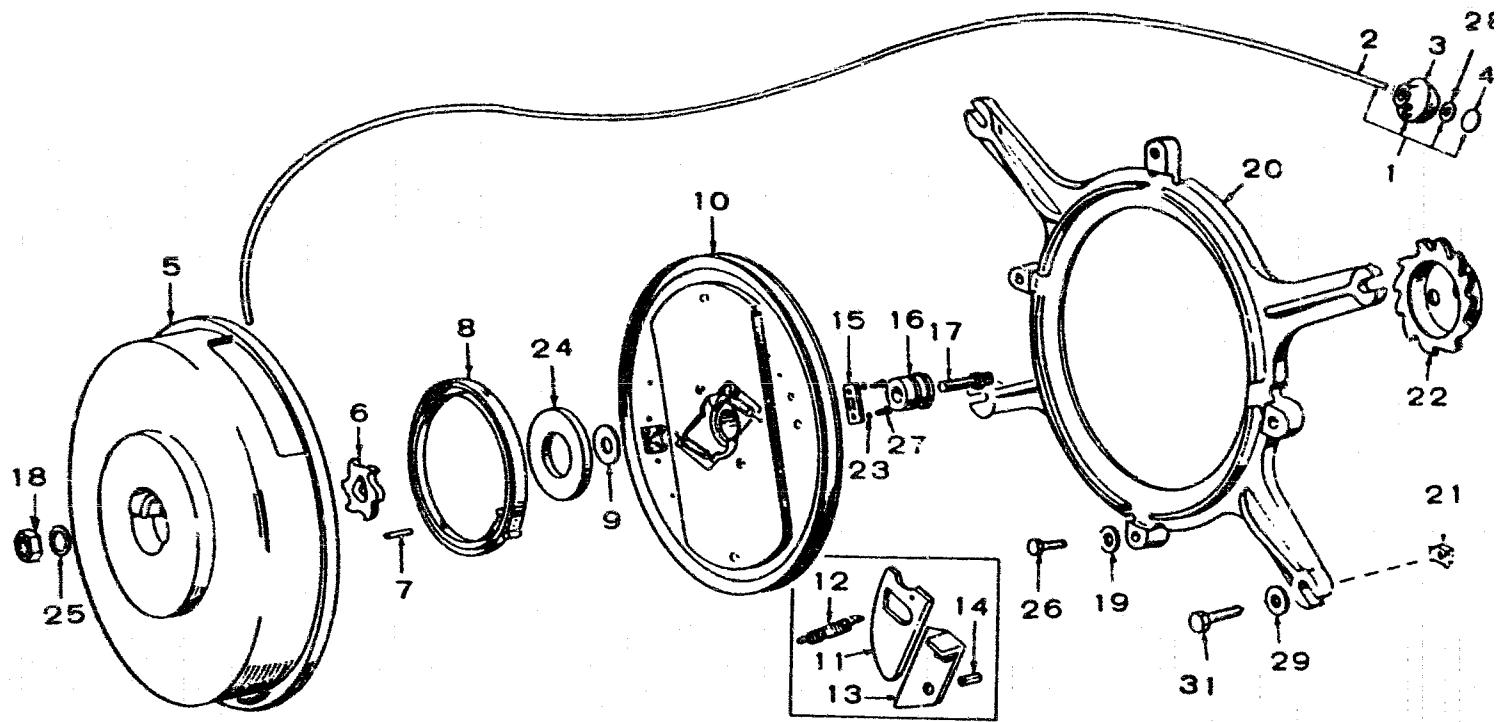
Fuel Tank and Filter  
Key 1,4,6



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-0546	1	Tank, Fuel - 4 Gal. (Includes Cap)	2	301-3571	1	Bracket, Fuel Tank and Control Box Mounting
2	159-1010	2	Strap, Fuel Tank Mounting	9	149-0150	1	*Bowl, Fuel Filter
3	149-0079	1	Filter, Fuel (Includes Parts Marked *)	10	149-0202	1	*Screen, Fuel Filter
4	502-0046	1	Nipple, Pipe - Close (1/8")	11	149-0149	1	*Gasket, Fuel Filter Bowl
5	159-0020	1	Cap, Fuel Tank	12	504-0004	1	Valve, Shut-Off - Key 1
6	501-0015	1	Line, Fuel (16")	13	502-0020	1	Elbow, Street Pipe - Shut-Off Valve - Key 1
7	505-0274	3	Plug, Pipe - Fuel Tank Drain (1/8") Use with Shut-Off Valve 504-0004 - Key 1				

\* - Parts Included in 149-0079 Fuel Filter.

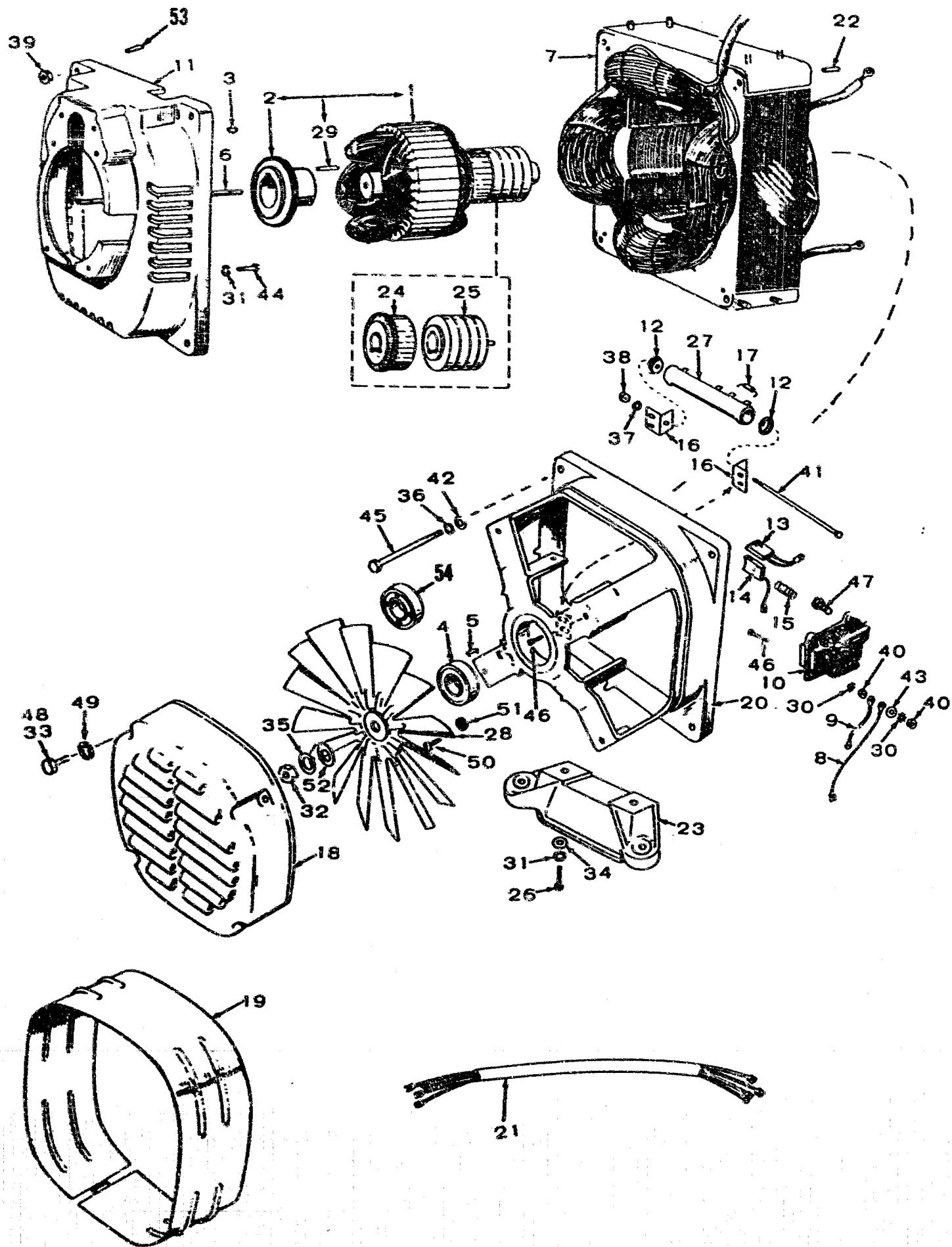
**Readi-Pull Starter  
Key 1,4,6**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	192-0325	1	Starter, Complete (Includes Mounting Ring and Ratchet Wheel)	17	192-0323	1	Screw, Cap - Counterbored (Special)
1	192-0045	1	Rope and Grip, Pull	18	862-0003	1	Nut, Hex (3/8-16)
2	192-0043	1	Rope, Pull (83")	19	526-0180	4	Washer, Flat (17/64" ID x 7/8" OD x 1/8" Thk)
3	192-0044	1	Grip, Rope (Rubber)	20	192-0186	1	Ring, Starter to Blower Housing Mounting
4	517-0025	1	Plug, Rope Grip	21	870-0110	4	Nut, Retainer (1/4-20)
5	192-0152	1	Housing, Starter	22	192-0309	1	Wheel, Ratchet
6	192-0153	1	Wheel, Cog - Anti-Backlash	23	526-0015	1	*Washer, Flat (9/32" ID x 9/16" OD x 1/16" Thk)
7	516-0138	1	Pin, Roll Recoil Spring (3/16" x 9/16")	24	NFS	1	Washer, Flat (Special)
8	192-0039	1	Spring, Recoil	25	850-0050	1	Washer, Lock - Spring (3/8")
9	526-0123	1	Washer, Thrust (Sheave Bushing to Cover) (25/64 ID x 1-1/4 OD x .0598" Thk)	26	815-0137	4	Screw, Tapping - Hex Head Cap (1/4-20 x 5/8")
10	192-0180	1	Sheave, Rope. (Includes Parts Marked *)	27	815-0137	4	*Screw, Tapping - Hex Head Cap (1/4-20 x 5/8")
11	192-0172	1	*Pawl	28	526-0169	1	Washer, Flat (17/64" ID x 7/8" OD x 1/16" Thk)
12	192-0165	2	*Spring, Pawl	29	526-0130	4	Washer, Flat (17/64" ID x 1" OD x 1/16" Thk)
13	192-0168	2	*Arm, Ratchet	31	800-0007	4	Screw, Cap - Hex Head (1/4-20 x 1")
14	516-0110	4	*Pin, Roll (5/16 x 1/2") (2) Ratchet Arm, (2) Pawl				
15	192-0167	1	*Clamp, Rope				
16	192-0163	1	Bearing, Sheave Hub (Bronze)				

\* - Parts Included in 192-0180 Rope Sheave Assembly

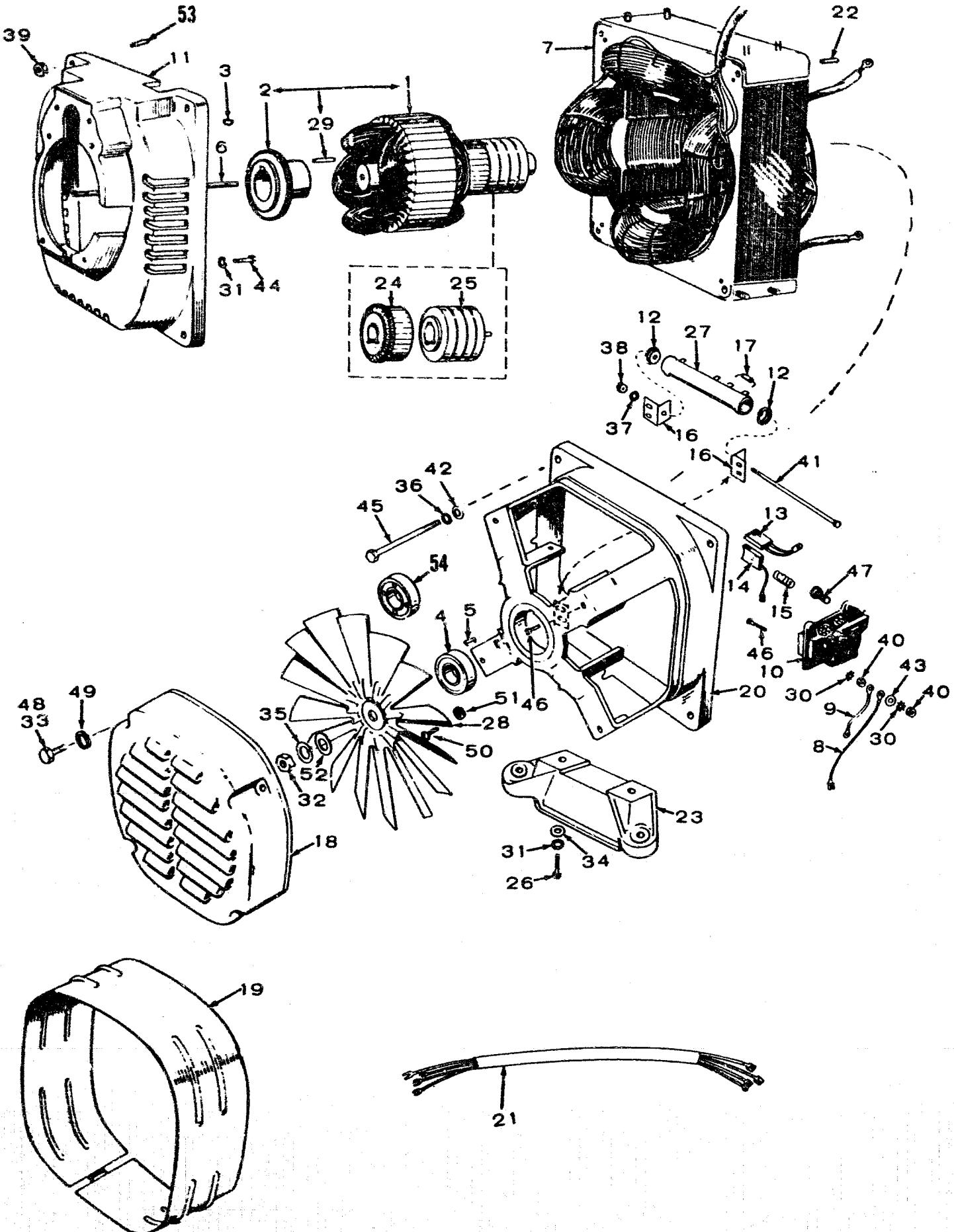
### Generator



## Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Rotors Without Extended Shaft (Includes Parts Marked *)	7			Stator Assembly, Wound 50 Hertz Sets
			50 Hertz Sets	220-1818		1	3.5CCK-53P, 3.5CCK-53BR
201-2328	1		3.5CCK-53P, 3.5CCK-53BR	220-1822		1	3.5CCK-53BR & 3.5CCK-53
201-2323	1		3.5CCK-53CP & 3.5CCK-53CR				4.2CCK-53CP, 4.2CCK-53CR
			- Spec A-R				4.2CCK-55DR & 4.2CCK-57
201-2505	1		3.5CCK-53CP & 3.5CCK-53CR				4.0CCK-57P & 4.0CCK-57R,
			- Begin Spec U				4.0CCK-55DR, 4.2CCK-53B
201-2321	1		3.5CCK-53BR				60 Hertz Sets
201-2518	1		4.0CCK-55DR - Begin Spec V	220-1818		1	4.0CCK-3CP, 4.0CCK-3CR,
201-1912	1		4.2CCK-53CP & 4.2CCK-53CR				4.0CCK-4R & 4.0CCK-3CE,
			- Spec R				4.0CCK-3R
201-2483	1		4.2CCK-53BR - Spec R	220-1821		1	5.0CCK-3CP, 5.0CCK-3CR,
201-2510	1		4.2CCK-53BR - Spec U				3R, 4R, 4XR, 5.0CCK-5DR
201-2506	1		4.2CCK-53CR - Spec U				& 5.0CCK-3CE, 4E
201-1905	1		4.2CCK-53CR - Spec R	8			Lead Assembly, Brush
201-2329	1		4.2CCK-55DR - Spec R	336-1891		4	Blade Type Terminals (9")
201-2330	1		4.2CCK-57R - Spec R	336-1890		4	Blade Type and Round Type
201-2507	1		4.2CCK-57R - Spec V				Terminal (4")
201-2507	1		4.0CCK-57P & 4.0CCK-57R	9	336-0186	3	Jumper, Ground (3-1/2")
			- Begin Spec U	10			Block Assembly, Brush (Includes Parts Marked t)
201-2511	1		3.5CCK-53BR, 3.5CCK-53BP				Lower
			- Begin Spec U		212-0352	1	Right
			60 Hertz Sets		212-0345	1	Upper
201-1907	1		4.0CCK-3CP, 4.0CCK-3CR &		212-0361	1	Left
			4.0CCK-3CE - Spec R		212-0353	1	Adapter, Generator to Engine
201-2504	1		4.0CCK-3CP, 4.0CCK-3CR &	11	231-0164	1	(Includes 4 Alignment Pins)
			4.0CCK-3CE - Begin Spec U		12	Washer, Centering Resistor	
201-1917	1		4.0CCK-4R - Spec R		13	4	
201-2514	1		4.0CCK-4R - Begin Spec V		14	tBrush, Commutator	
201-1903	1		5.0CCK-3CP, 5.0CCK-3CR,		15	tBrush, Collector	
			5.0CCK-3R, 5.0CCK-3CE -		16	tSpring, Brush	
			Spec R		17	Bracket, Resistor Mounting	
201-2503	1		5.0CCK-3CP, 5.0CCK-3CR,		18	Diode	
			5.0CCK-3CE & 5.0CCK-BR -		19	Cover Assembly, Generator Fa	
			Begin Spec V		20	Used on Sets Without	
201-1913	1		5.0CCK-4R - Spec R		21	Extended Shaft Rotor	
201-2512	1		5.0CCK-4R - Begin Spec U		22	Used on Sets With Extended	
201-1918	1		5.0CCK-4XR - Spec R		23	Shaft Rotor	
201-2513	1		5.0CCK-4XR - Begin Spec V	19	Wrapper, End Bell		
201-1914	1		5.0CCK-5DR - Spec R	20	Bell, End		
201-2508	1		5.0CCK-5DR - Begin Spec V	21	Harness, Wiring		
			Rotors with Extended Shaft -			Single Phase - Spec R	
			60 Hertz Sets (Includes			Three Phase - Spec R	
			Parts Marked *)			Remote, 1 Phase - Begin	
201-1964	1		4.0CCK-3CR - Spec R			Spec V	
201-2524	1		4.0CCK-3CR - Begin Spec U		22	Remote, 3 Phase - Begin	
2 232-2316	1		*Hub, Drive - Spec R Only		23	Spec V	
3 515-0006	1		Key, Drive Hub to Crankshaft		24	Portable - Begin Spec V -	
			- Spec R			1 Phase	
4 510-0047	1		*Bearing (Ball), Rotor			Portable, 3 Phase - Begin	
5 232-0596	1		Clip, Bearing Stop			Spec V	
6			Stud, Rotor Through	22	516-0182	8	Pin, Roll - Generator Frame
			Key 1,2,4,5			(1/4 x 3/4")	
520-0732	1		Key 3,6,7 - Also Key 4,	23	232-2321	1	Support, Generator
520-0733	1		Spec V, 50 Hertz	24		*Commutator	
			Use Only on Extended Shaft		203-0153	1	Key 1,2,4,5
			Rotors		203-0152	1	Key 3,6,7

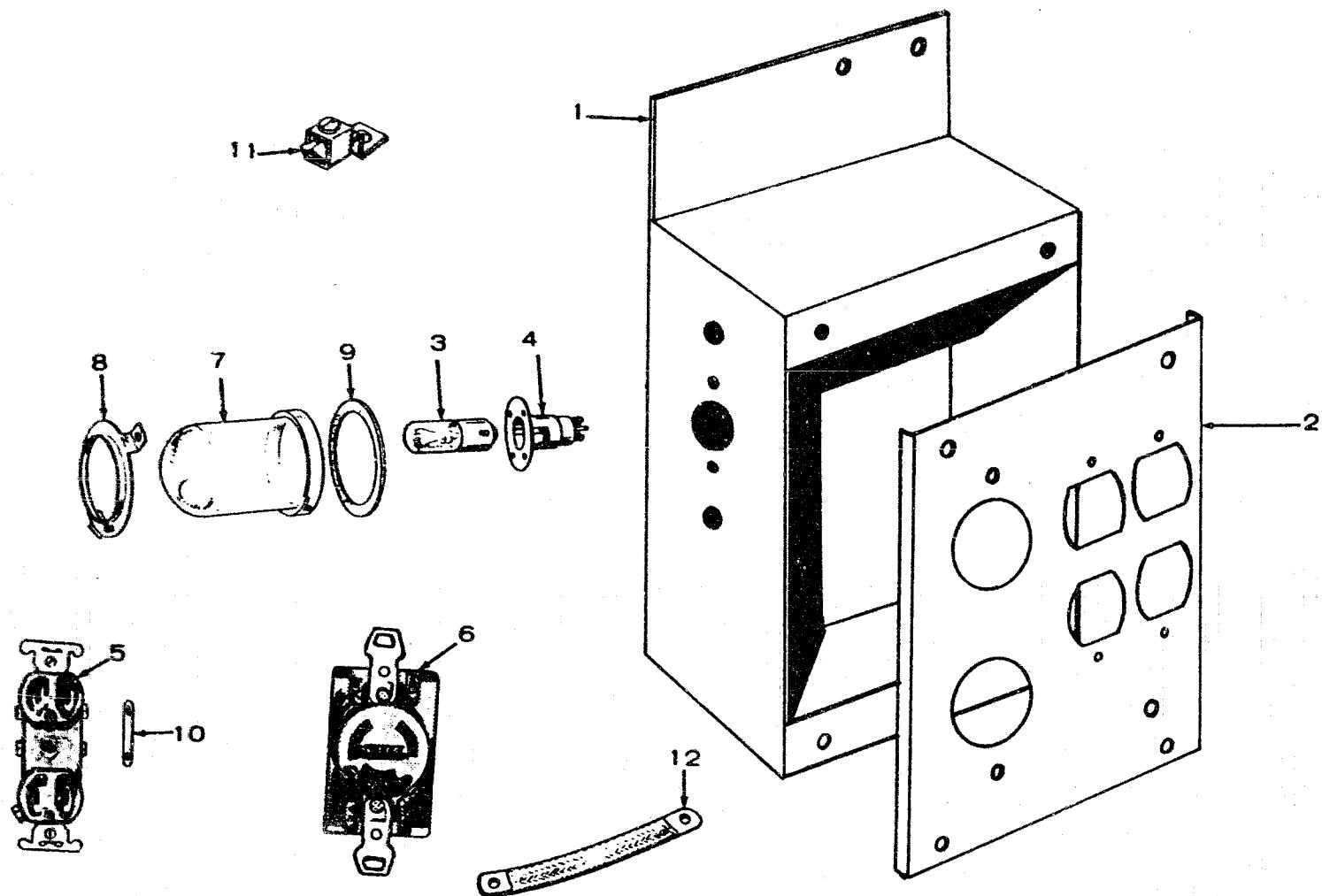
## Generator



## Generator

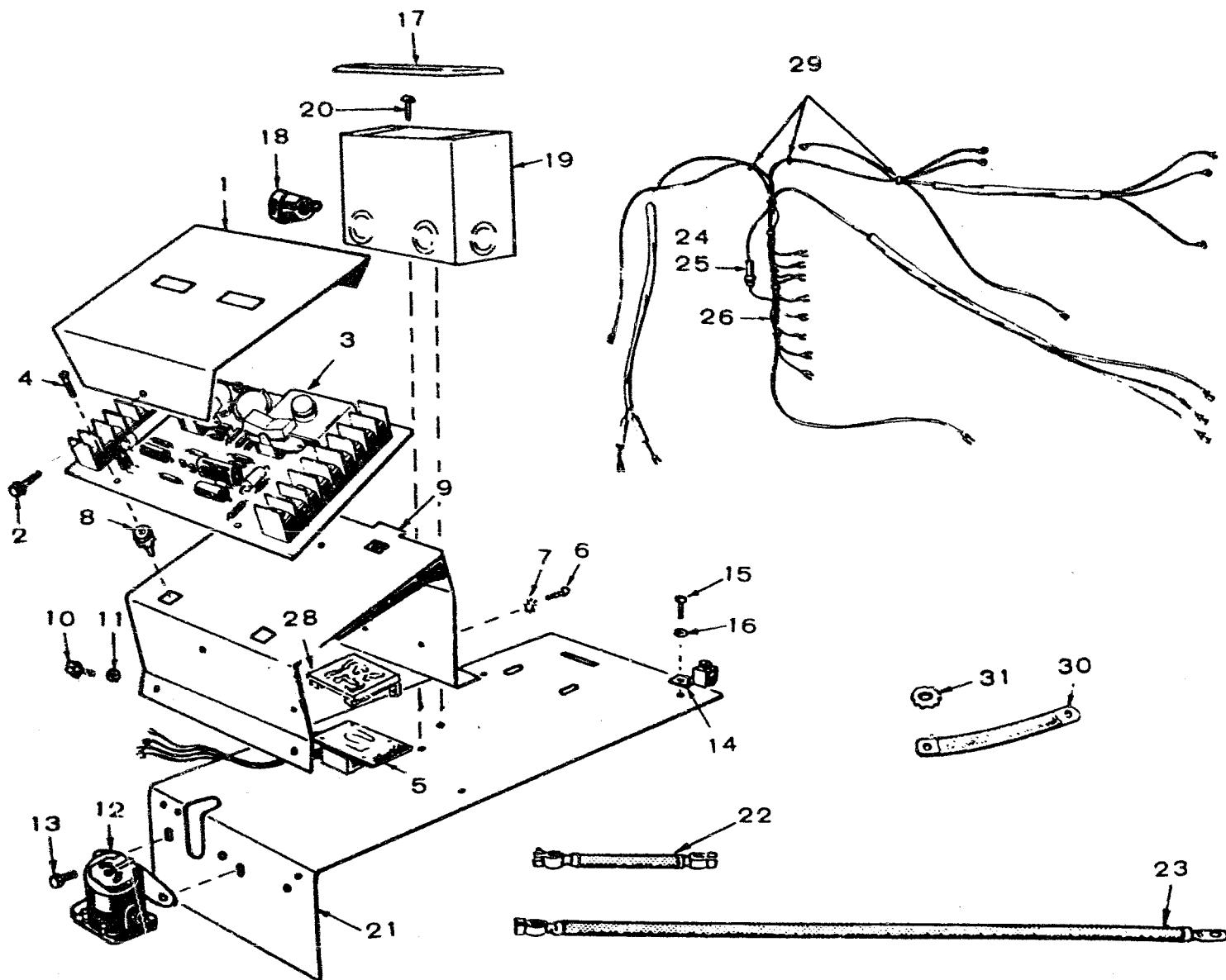
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
25	204-0110	1	*Collector Ring	43	526-0049	4	Washer, Flat (13/64" ID x 7/16" OD x 1/32" Thk)
26	800-0051	2	Screw, Cap - Hex Head (3/8-16 x 1-1/4")	44	800-0050	4	Screw, Cap - Hex Head (3/8-16 x 1")
27			Resistor, Fixed	45			Screw, Cap - Hex Head (5/16-18 x 5" - Key 1, 2, 4, 5/16-18 x 7-1/2" - Key 3)
	353-0071	1	8.3-Ohms at 25 Watts/ 3.8-Ohms at 50 Watts - 4.2 & 5.0 kW	800-0043		4	Screw, Tapping - Hex Washe Head (#10-32 x 7/8")
	353-0072	1	5.7-Ohms at 25 Watts/ 2.5-Ohms at 50 Watts - 3.5 & 4.0 kW	800-0044		17	Screw, Machine - Hex Head (Brass) (#10-32 x 1")
28			Fan, Generator	46	815-0359	4	Screw, Machine - Round Hea (Use With 232-2827 Genera Fan Cover) (1/4-20 x 1-1/2 - Spec V, Key 3 & 4 - 50 Hertz, Use 2
	205-0090	1	Used on Sets Without Extended Shaft Rotor	47	815-0341	4	Washer, Lock (Use With 232-2827 Generator Fan Co (1/4") - Spec V, Key 3 & 50 Hertz, Use 2
	205-0116	1	Used on Sets With Extended Shaft Rotor	48	812-0156	4	Screw, Allen Head (Use Wit 205-0116 Generator Fan) (#10-32 x 3/8")
29	515-0007	1	*Key, Drive Hub to Rotor	49	850-0040	4	Washer, Lock (Use With 205-0116 Generator Fan) (
30	853-0008	8	fWasher, Lock - ET (#10)	50	804-0016	4	Washer, Lock - Spring (#10)
31	850-0050	6	Washer, Lock - Spring (3/8")	51	850-0030	4	Washer, Lock - Spring (7/16")
32	870-0203	1	Nut, Hex (Special)	52	526-0032	1	Washer, Flat (Use With 520-0781 Stud) (29/64" ID x 7/8" OD x 1/16" Thk)
33	815-0441	2	Screw, Tapping - Hex Head (1/4-20 x 1-1/2")	53	516-0196	4	Pin, Locating
34	526-0030	2	Washer, Flat (13/32" ID x 7/8" OD x 1/8" Thk)	54	232-2586	1	Hub, Fan (Extended Shaft)
35	850-0055	1	Washer, Lock - Spring (7/16")				*
36	850-0045	4	Washer, Lock - Spring (5/16")				t - Parts Included in Rotor Assembly.
37	850-0030	1	Washer, Lock - Spring (#10)				t - Parts Included in Brush Block Assembly.
38	860-0011	1	Nut, Hex (#10-24)				
39	862-0015	4	Nut, Hex (5/16-18)				
40	871-0010	8	fNut, Hex - Brass (#10-32)				
41	812-0118	1	Screw, Machine - Round Head (#10-24 x 5")				
42	526-0115	4	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)				

Control  
Key 1,4,5



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3573	1	Box, Receptacle	8	301-1902	1	Clamp, Guard
2	301-3574	1	Panel, Receptacle Box	9	149-0156	1	Gasket, Pilot Light Guard
3	322-0011	1	Lamp, Receptacle Pilot Light	10	332-1695	1	Jumper
4	322-0021	1	Receptacle, Pilot Light	11	332-0517	1	Lug, Terminal - Ground
5	323-0383	2	Receptacle, Duplex	12	337-0050	1	Strap, Ground
6	323-0855	2	Receptacle, Twistlock		337-0085	1	Spec R
7	149-0234	1	Guard, Pilot Light				Begin Spec V

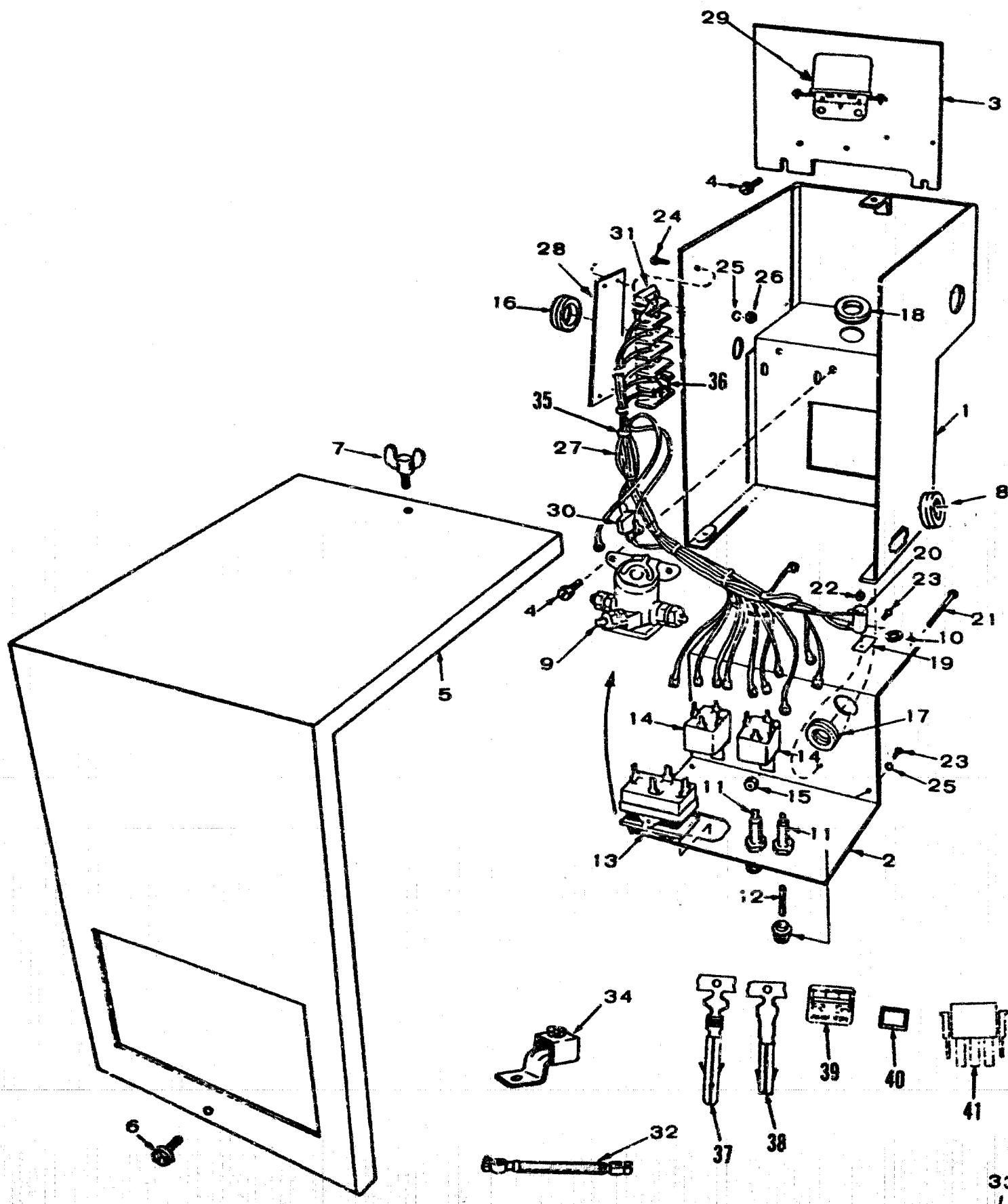
**Control  
Keys 2,3,5,7  
Spec R Through U**



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3484	1	Cover, Control	19	330-0074	1	Box, Outlet
2	815-0350	3	Screw, Tapping - Hex Head (#10-32 x 3/8")	20	815-0350	2	Screw, Tapping - Hex Head (#10-32 x 3/8")
3	300-1884	1	Board, Voltage Regulator	21	301-3560	1	Panel, Control Mounting
4	815-0365	4	Screw, Tapping - Round Head (#8 x 3/4")	22	416-0004	1	Cable, Jumper - Battery (Optional)
5	300-0935	1	*Control Starter Adapter	23			Cable, Battery
6	812-0077	4	*Screw, Machine - Round Head (#8-32 x 3/8")	416-0077		2	Unhoused Sets 28"
7	853-0005	4	*Washer, Lock - ET (#8)	416-0007			Housed Sets 9" - Positive
8	870-0263	4	Nut, Insulator (#8)	416-0014			15" - Negative
9	301-3481	1	Bracket, Control Mounting	24	321-0194	1	Fuse (9 Amperes)
10	815-0350	4	Screw, Tapping - Hex Head (#10-32 x 3/8")	25	321-0193	1	Fuse Holder (Includes Fuse
11	856-0003	4	Washer, Lock - EIT (#10)	26	338-0682	1	Wiring Harness, Engine Con
12	307-1166	1	Solenoid, Start	28	300-1227	1	*Control, Disconnect Adapter
13	821-0009	1	Screw, Cap - Hex Washer Head (1/4-20 x 3/8")	29	332-1567	11	Tie, Wire
14	332-0142	1	Terminal, Lug	30	337-0091	1	Strap, Ground - Housed Set
15	821-0010	1	Screw, Cap - Hex Washer Head (1/4-20 x 1/4")	31	856-0012	1	Washer, Lock - ET (7/16") Housed Sets
16	856-0006	1	Washer, Lock - EIT (1/4")				
17	330-0004	1	Cover, Outlet Box				
18	508-0179	1	Grommet, Outlet Box				

\* - Effective Serial Number 0675954985, during

**Control - Begin Spec V**  
**Keys 2,3,5,7**

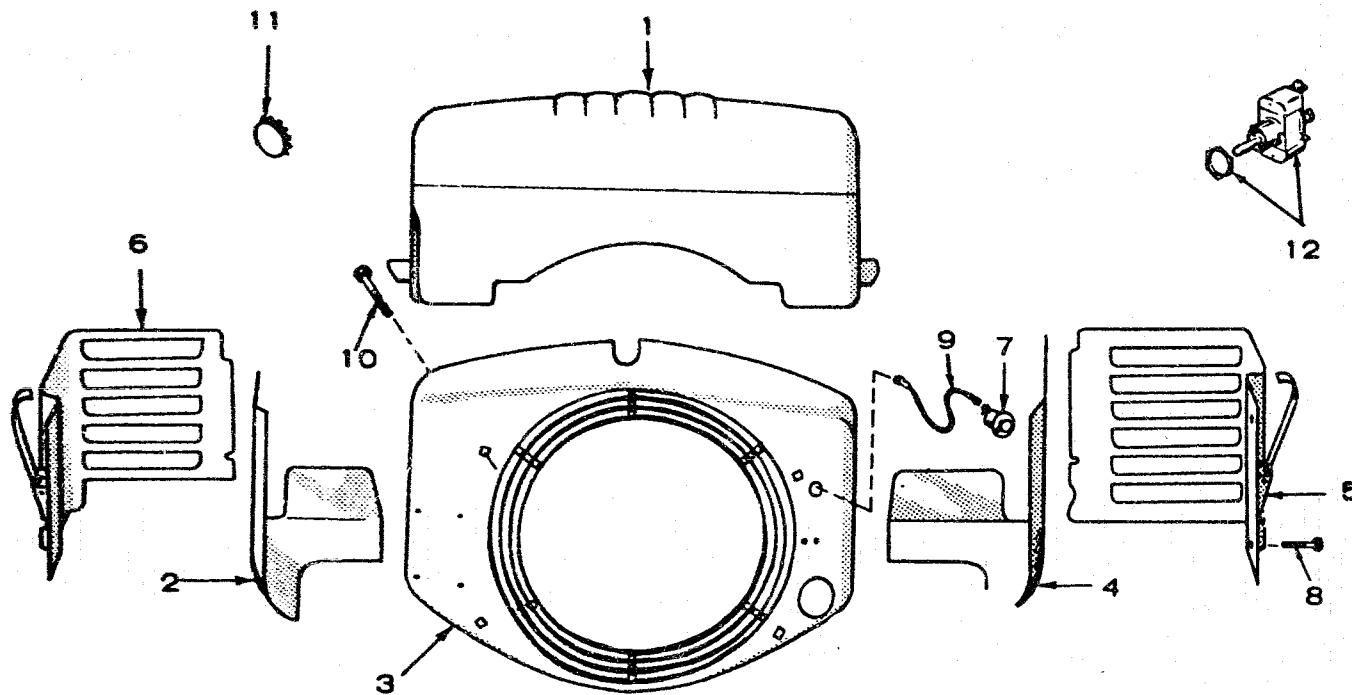


**Control - Begin Spec V**  
**Keys 2,3,5,7**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-4634	1	Box, Control	24	812-0065	2	Screw, Machine - Round Head (#6-32 x 5/8" Lg)
2	301-4442	1	Panel, Control	25	854-0006	2	Washer, Lock - Internal (#6
3	301-4441	1	Plate, Generator Control	26	860-0005	2	Nut, Hex (#6-32)
4	821-0008	4	Screw, Cap - Locking Head (1/4-20 x 5/16" Lg)	27			Harness, Wiring (Includes Parts Marked *)
5	301-4545	1	Cover, Control Box (Includes Schematic)		338-1218	1	Gasoline
6	821-0004	1	Screw, Cap - Locking Head (#10-32 x 5/16" Lg)		338-1147	1	Gas and Gas-Gasoline
7	518-0056	1	Nut, Wing (#10-32 x 1/2")	28	332-2103	1	Strip, Terminal Block Mark
8	508-0021	1	Grommet, Rubber	29	305-0383	1	Regulator, Voltage
9	307-1617	1	Relay, Start Solenoid	30	357-0030	2	*Rectifier, Silicon (Key 5,1 Use 1)
10	508-0015	1	Washer, Fiber	31	332-0699	1	*Block, Terminal - 6 Place
11	321-0175	2	Holder, Fuse	32	416-0014	1	Cable, Battery - 15" (Negative) - Housed Sets
12	321-0174	2	Fuse (5 Amp)	33	416-0077	1	Cable, Battery - 28" (Positive)
13	308-0383	1	Switch, Start/Stop	34	332-0142	1	Terminal, Solderless
14	307-1575	2	*Relay, Ignition (Crank-Run)	35	332-0942	16	*Tie, Cable - Wiring Harness
15	870-0131	5	Nut, Hex - With Washer (#10-32)	36	332-1043	2	*Jumper, Terminal
16	508-0208	1	Bushing, Nylon	37	323-1199	5	*Pin, Contact - Male
17	331-0088	1	Bushing	38	323-1200	17	*Socket, Contact - Female
18	508-0191	1	Bushing	39	332-0819	2	*Housing, Connector Push On
19	304-0580	1	Insulator	40	332-2298	1	*Housing, Terminal
20	352-0161	1	*Resistor - 10-Ohm, 5 Watts	41	323-1291	1	*Plug (9 Pin)
21	812-0087	1	Screw, Machine - Round Head (#8-32 x 1/2" Lg)				
22	870-0221	1	Nut, Hex - W/ET (#8-32)				
23	821-0004	7	Screw, Cap - Locking Head (#10-32 x 5/16" Lg)				

\* - Parts Included in Wiring Harness.

## Air Housing



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-1013	1	Hood, Engine - Key 1,4,6	5	134-0662	1	Cover, Cylinder - Right
2	134-0589	1	Housing, Cylinder Air - Left (No. 1 Cylinder)	6	134-0663	1	(No. 2 Cylinder) - Key 1,4,6
3			Housing, Blower Sets Without Spin-on Oil Filter	7	313-0018	1	Cover, Cylinder - Left (No. 1 Cylinder) - Key 1,4,6
	134-1579	1	Key 1,4,6	8	815-0261	4	Button, Stop - Key 1,4,6
	134-1566	1	Key 2,3,5,7 - Spec R	9	334-0028	1	Screw, Tapping - Hex Washer Head (1/4-20 x 1/2")
	134-3885	1	Key 2,3,5,7 - Begin Spec V	10	821-0010	3	Lead, Stop (4 Ft. Piece of Bulk Wire)
			Sets With Spin-on Oil Filter	11	517-0021	1	Screw, Cap - Hex Washer Head (1/4-20 x 1/2")
	134-2894	1	Key 1,4,6	12	308-0097	1	Plug, Dot Button (7/8" Hole) - Key 2,3,5,7
	134-2710	1	Key 2,3,5,7 - Spec R				Switch, Momentary Contact - Optional
4	134-3919	1	Key 2,3,5,7 - Begin Spec V				
			Housing, Cylinder Air - Right (No. 2 Cylinder)				
	134-0588	1	Sets Without Spin-on Filter				
	134-2237	1	Sets With Spin-on Oil Filter				

## Service Kits and Miscellaneous

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	98-1100	1	Decal Kit		525-0305	1	Paint, Touch-Up (Pressurized)
	168-0103	1	Gasket Kit, Plant				13 oz. Can) Non-Metallic
	168-0095	1	Carbon Removal Gasket Kit				Green Enamel
	412-0032	1	Cover, Canvas				

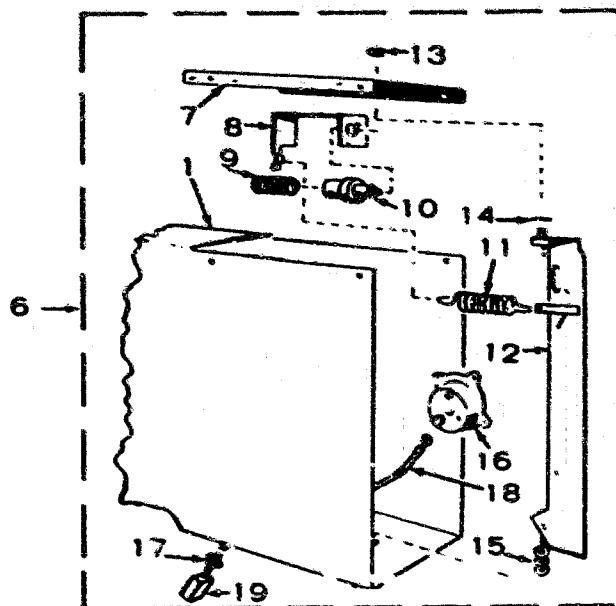
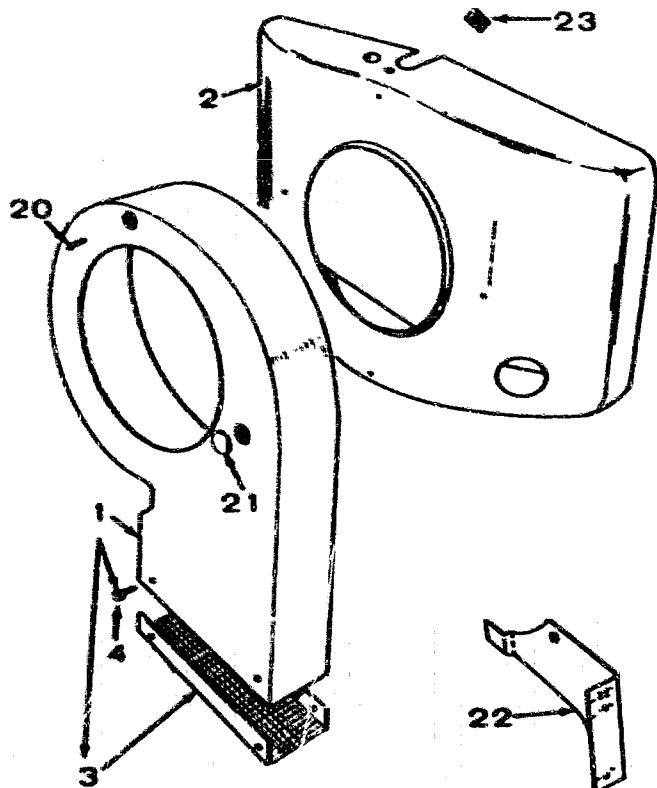
NOTE: For other Kits, refer to the Group for the part in question.

## **OPTIONAL EQUIPMENT SECTION**

**This section contains parts listing of factory installed options.**

**NOTE: Options may not be applicable to all models; for field installations, additional parts are usually required.**

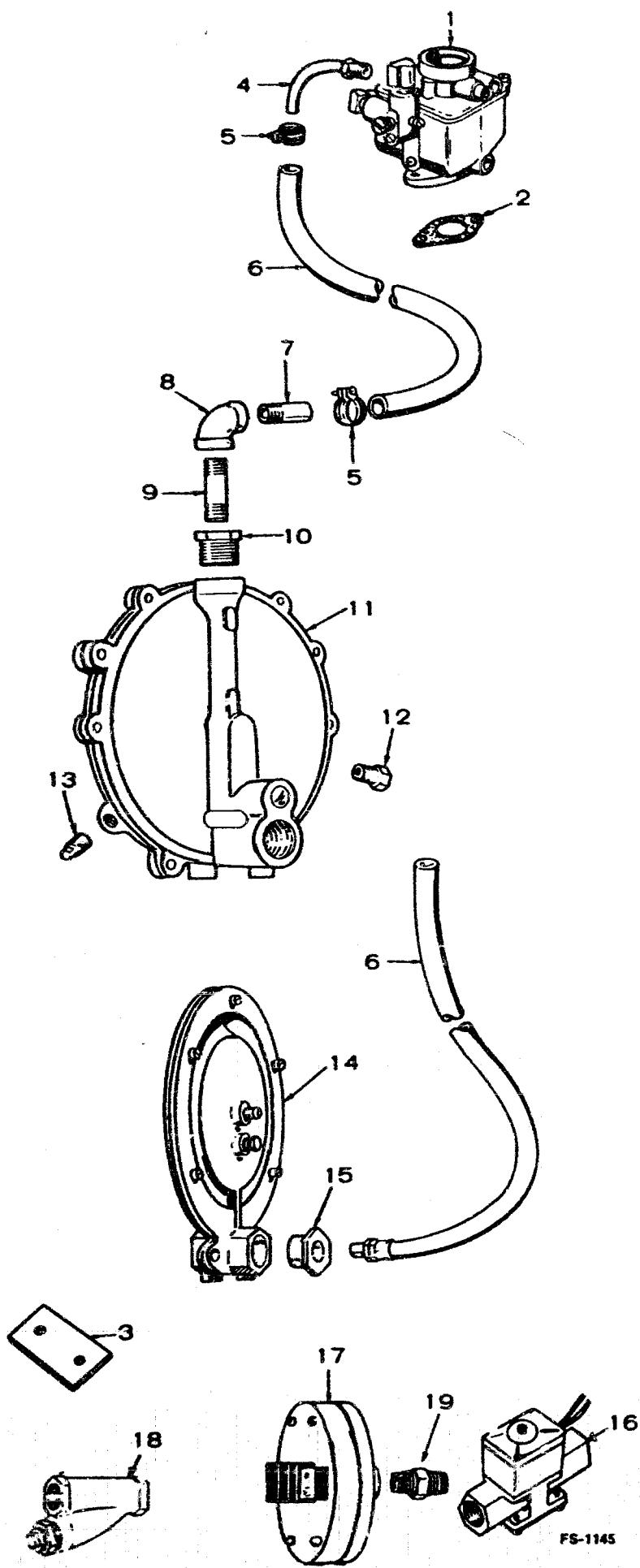
**Vacu-Flo Cooling and Air Shutter - Optional**  
 (Key 2,3,5,7)



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Scroll, Air Outlet Sets Without Air Shutter (Includes Guard)	7	134-0661	1	*Plate, Vernatherm Element Mounting
	134-3050	1	Without Rope Sheave Opening	8	134-0660	1	*Bracket, Vernatherm Element
	134-3041	1	With Rope Sheave Opening	9	134-0656	1	*Element, Vernatherm
			Sets With Air Shutter	10	309-0085	1	*Element, Vernatherm
	134-0815	1	*Without Rope Sheave Opening	11	134-0658	1	*Spring, Shutter
	134-2696	1	With Rope Sheave Opening	12	134-0655	1	*Shutter, Circulated Air Control
			Sets Without Guard and Without Air Shutter	13	518-0074	1	*Ring, Retainer - Shutter Shaft
	134-2692	1	With High Air Temperature Cut-off	14	526-0102	1	*Washer, Flat (25/64" ID x 15/16" OD x 1/32" Thk)
2			Housing, Blower	15	526-0016	3	*Washer, Flat (17/64" ID x 9/16" OD x 1/32" Thk)
	134-2015	1	Sets Without Spin-on Oil Filter - Spec R	16	309-0002	1	*Switch, High Air Temperature
	134-1572	1	Sets Without Spin-on Oil Filter - Begin Spec S	17	508-0031	1	*Grommet, Rubber - High Air Temperature Lead (11/32" Hole)
	134-2102	1	Sets Without Spin-on Oil Filter - Begin Spec U	18	334-0028	1	*Lead, High Air Temperature Switch (4 Ft. Piece of Bulk Wire)
	134-2786	1	Sets With Spin-on Oil Filter - Spec R	19	332-0556	1	*Connector, Quick Disconnect Screw; Lock Head (Flange)
	134-2235	1	Sets With Spin-on Oil Filter - Begin Spec V	20	821-0010	3	Spec R, U (1/4-20 x 1/2")
3	134-2956	1	Guard, Scroll Air Outlet		821-0008	4	Begin Spec V (1/4-20 x 5/16")
4	815-0421	4	Screw, Tapping - Hex Head With ET (#10-16 x 1/2")	21	517-0021	2	Plug, Dot Button
5	517-0035	1	Plug, Dot Button - Timing Hole (1-1/16")	22	166-0519	1	Bracket, Timing
6	134-0816	1	Shutter Assembly, Air (Includes Parts Marked *)	23	870-0110	4	Nut, Speed Grip (1/4-20)

\* - Parts Included in 134-0816 Air Shutter Assembly

**Gas and Gas-Gasoline Fuel System  
Optional**

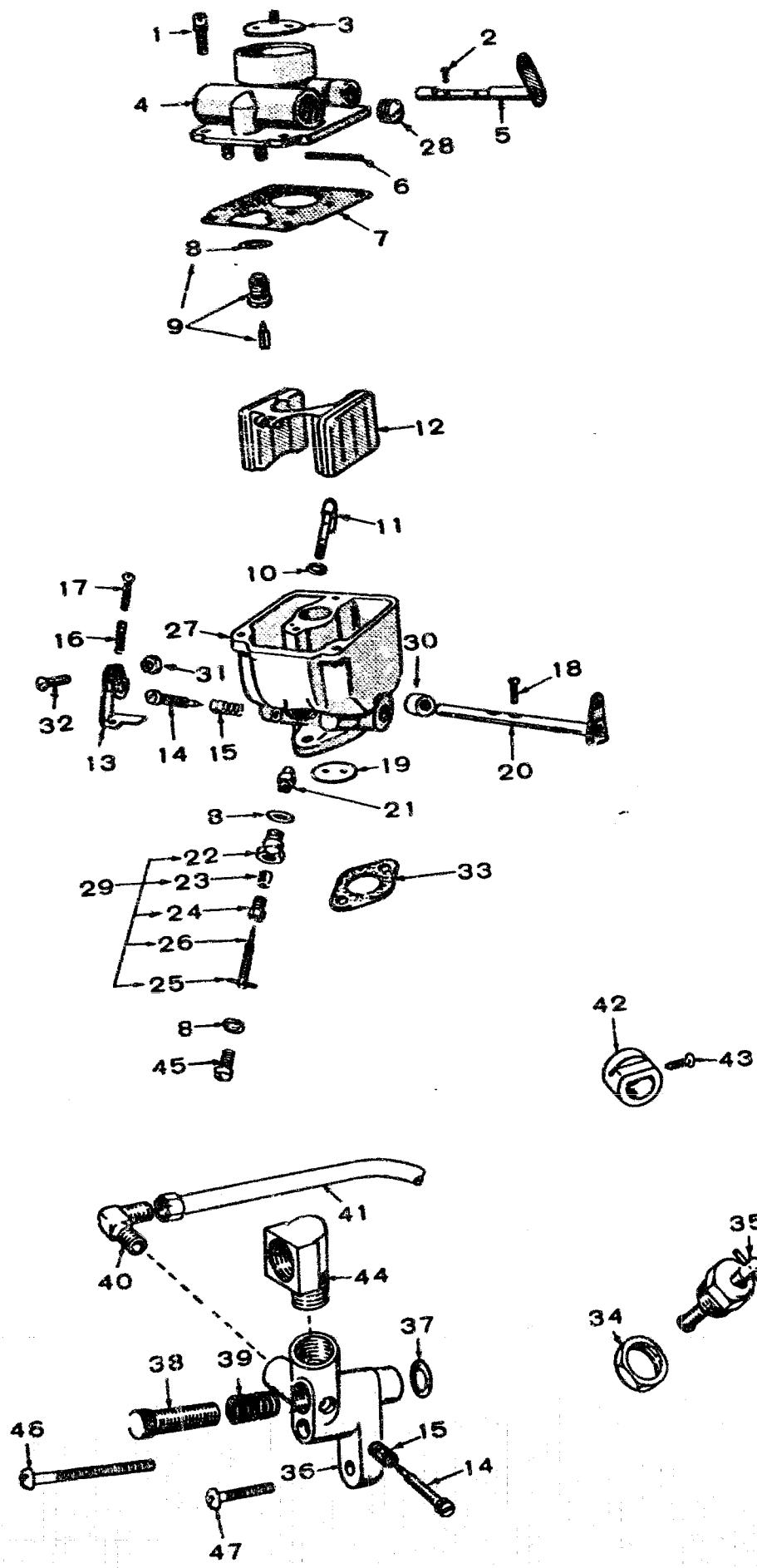


FS-1145

**Gas and Gas-Gasoline Fuel System**  
**Optional**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Carburetor, Complete (Includes Mounting Gasket) (See Separate Group for Components) Gas-Gasoline	8	505-0038	1	Elbow, Pipe - Female (1/4" x 90")
142-0616	1		Manual Choke - Key 1,4,6	9	505-0099	1	Nipple, Pipe - Close (1/4" x 7/8")
142-0615	1		Electric Choke - Key 2,3,5,7	10	505-0017	1	Bushing, Reducer (3/8" x 1/4")
142-0617	1		Gas	11	148-0311	1	Regulator, Gas Fuel (Garrett)
2	141-0078	1	Gasket Carburetor Mounting	12	148-0107	1	Vent, Regulator
3	149-0136	1	Cover, Fuel Pump Hole - Gas Only Sets	13	505-0057	1	Plug, Pipe (1/8")
4	148-0147	1	Pipe, Gas Fuel	14	148-0428	1	Regulator, Gas Fuel (Ensign)
5	503-0032	2	Clamp, Hose	15	505-0021	1	Bushing, Reducer (3/4" x 1/4")
6			Line, Fuel	16	307-0312	1	Valve, Solenoid - Gas Fuel
	503-0315	1	Sets With Garretson Regulator	17	148-0367	1	Switch, Vacuum Regulator
	501-0025	1	Sets With Ensign Regulator	18	149-0558	1	Strainer, Gas Fuel
7	505-0302	1	Nipple, Pipe - Half (1/4" x 1-1/2")	19	148-0390	1	Garretson Nipple, Hex - Vacuum Switch (1/8 x 1/8")
					502-0082	1	

**Carburetor Parts - Gas and Gas-Gasoline  
Optional**



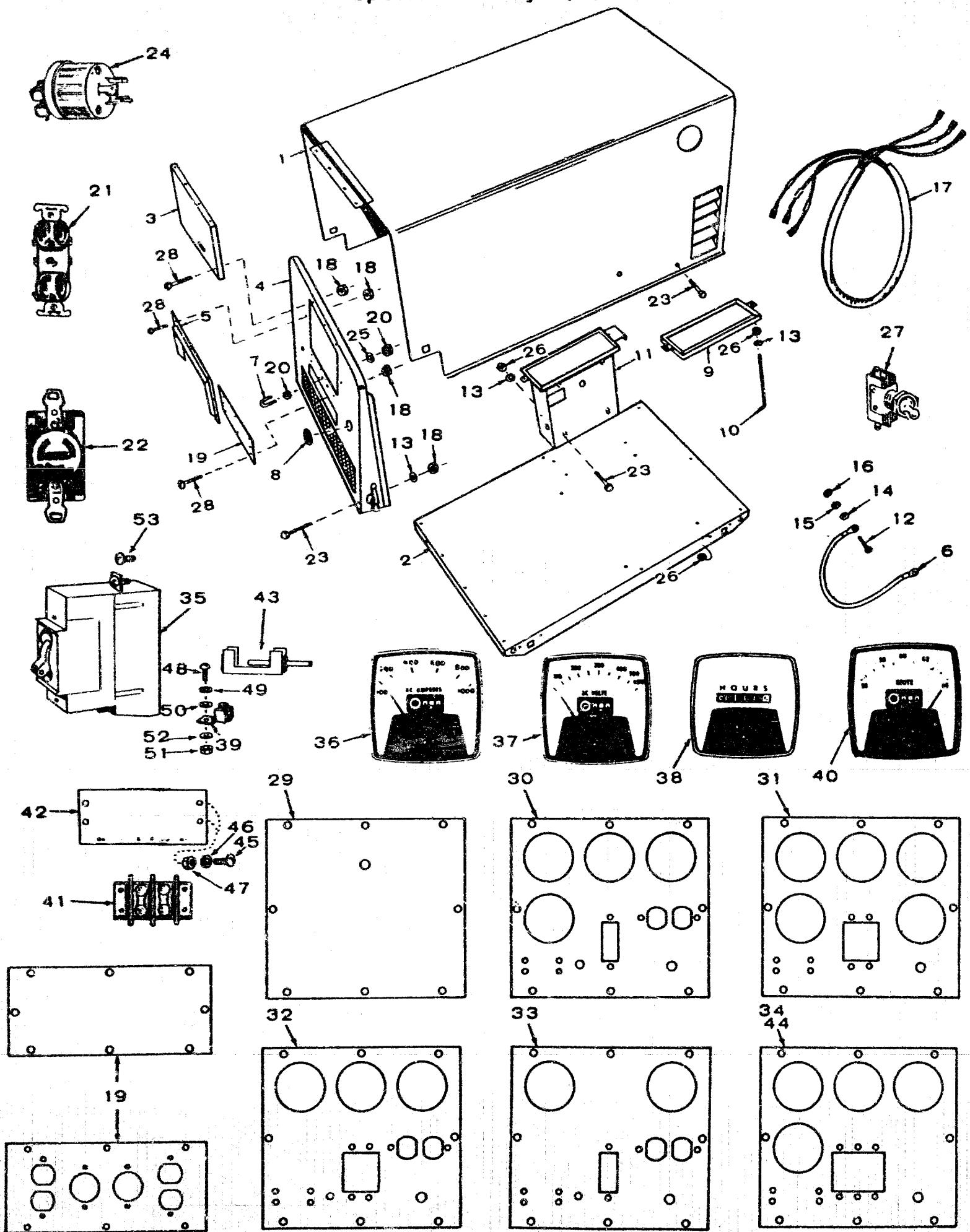
**Carburetor Parts - Gas and Gas-Gasoline  
Optional**

REF. NO.	PART NO.	QTY USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY USED	PART DESCRIPTION
			Carburetor, Complete (Includes Mounting Gasket) Gas-Gasoline	22	142-0046	1	Retainer, Main Adjusting Needle - Gas-Gasoline
142-0616	1	1	Manual Choke - Key 1,4,6	23	142-0206	1	†Packing, Main Adjusting Needle - Gas-Gasoline
142-0615	1	1	Electric Choke - Key 2,3,5,7	24	142-0045	1	Retainer, Main Adjusting Needle Packing - Gas-Gasoline
142-0617	1	1	Gas	25	516-0027	1	Pin, Main Adjusting Needle Gas-Gasoline
			Screw, Machine - Fillister Head	26	142-0041	1	†Needle, Main Adjusting - Gas-Gasoline
815-0103	1	1	#10-24 x 1/2"	27		1	Body Assembly (Not Sold Separately)
815-0109	2	2	#10-24 x 5/8"	28	505-0008	1	Plug, Pipe (1/8")
2 815-0091	2	2	†Screw, Machine - Fillister Head With IT (#4-40 x 3/16") Gas-Gasoline	29	142-0042	1	Needle Assembly, Main Adjusting - Gas-Gasoline
3			Fly, Choke - Gas-Gasoline	30	142-0343	2	Bushing, Throttle Shaft
142-0055	1	1	Key 1,4,6	31	870-0053	1	Nut, Hex (#10-32)
142-0037	1	1	Key 2,3,5,7	32	813-0103	1	Screw, Machine - Round Head (#10-32 x 3/4")
4 142-0205	1	1	Sleeve, Choke (Cover)	33	141-0078	1	*Gasket, Carburetor Mounting
5			Shaft, Choke - Gas-Gasoline	34	NFS	1	Nut, Hex - Float Lock Gas-Gasoline
142-0217	1	1	Key 1,4,6	35	148-0135	1	Lock Assembly, Float - Gas-Gasoline
142-0183	1	1	Key 2,3,5,7	36	148-0126	1	Adapter, Gas Fuel
6 142-0039	1	1	†Shaft, Float - Gas-Gasoline	37	509-0091	1	Gasket, Adapter Mounting
7 142-0031	1	1	*Gasket, Fuel Bowl	38	148-0131	1	Screw, Adapter Adjusting
8 148-0017	2	2	*Gasket, (1) Float Valve Seat, (1) Main Adjusting Needle	39	148-0010	1	Spring, Adapter Adjusting
			Retainer	40	502-0034	1	Elbow, Male - Idle Line to Adapter
9			Valve and Seat Assembly - Gas-Gasoline	41	149-0030	1	Line, Idle Fuel
142-0049	1	1	† Sets Without Day Tank	42	148-0008	1	Lock, Choke (Gas-Gasoline) Key 2,3,5,7
142-0356	1	1	Sets With Day Tank	43	518-0075	1	Screw, Choke Lock (6-32 x Gas-Gasoline - Key 2,3,5, 7)
10 142-0032	1	1	*Gasket Nozzle - Gas-Gasoline	44	502-0074	1	Elbow, Inverted - Gas Fuel Inlet
11 142-0285	1	1	Nozzle Assembly - Gas-Gasoline	45	142-0015	1	Plug, Body - Gas
12 142-0361	1	1	Float and Lever Assembly - Gas-Gasoline	46	812-0088	1	Screw, Machine - Round Head (#8-32 x 1-3/4")
13 145-0008	1	1	Lever, Idle Stop	47	812-0125	1	Screw, Machine - Round Head (#12-24 x 1/2")
14			Needle, Idle Adjusting	142-0033		1	†Kit, Gasket (Includes Part Marked *)
142-0040	2	2	† Gas-Gasoline	142-0371		1	Kit, Repair (Includes Part Marked †) - Gas-Gasoline
142-0040	1	1	Gas				
15			Spring, Idle Adjusting Needle Gas-Gasoline				
142-0282	2	2	Gas				
142-0282	1	1	Spring, Throttle Stop Adjusting Screw				
16 142-0035	1	1	Screw, Machine - Round Head (#6-32 x 1/2")				
17 812-0063	1	1	†Screw, Machine - Oval Head (#4-40 x 1/4")				
18 815-0072	2	2	Fly, Throttle				
19 142-0369	1	1	†Shaft, Throttle				
20 142-0368	1	1	Nut and Jet, Nozzle - Gas-Gasoline				
21 142-0368	1	1					

\* - Parts Included in 142-0033 Gasket Kit.

† - Parts Included in 142-0371 Repair Kit.

Housing and Meter Panel  
Optional - Key 2,3,5,7

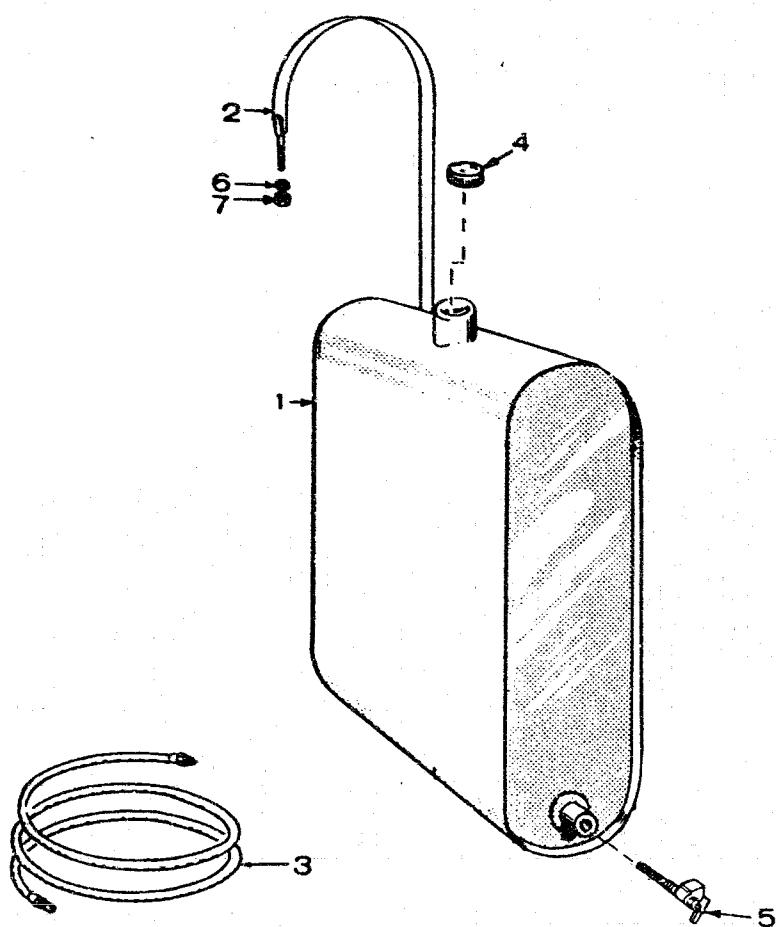


**Housing and Meter Panel  
Optional - Key 2,3,5,7**

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Housing and Meter Panel - Optional (Includes Parts Marked *)	29	301-1385	1	Panel, Control - Sets Without Meters
405-2251	1		Begin Spec R - Without Receptacle	30	301-2045	1	Panel, Meter - 4 Meter
405-2254	1		Begin Spec R - With Receptacle	31	301-3114	1	Panel, Meter - 5 Meter
			Housing Without Meter Panel - Optional (Includes Parts Marked f)	32	301-1380	1	Panel, Meter - 3 Meter
405-2252	1		Begin Spec R - Without Receptacle	33	301-1379	1	Panel, Meter - 2 Meter
405-2253	1		Begin Spec R - With Receptacle	34	301-1381	1	Panel, Meter - 4 Meter
1 405-1001	1	f*	Cover, Hinged - Sides and Top	35			Breaker, Circuit
2 403-0358	1	f*	Skid, Mounting	320-0257		1	12 Ampere - 120/240 Volt
3 301-1378	1	f*	Cover, Instrument Panel Panel, Housing - Rear	320-0002		1	15 Ampere - 120 VAC
4			f*Sets Without Receptacle Panel	320-0170		1	18 Ampere - 120 VAC
5 405-1000	1	f*	Sets With Receptacle Panel	320-0018		1	20 Ampere - 120 VAC
5 405-1035	1	f*	Shield, Rain	320-0019		2	25 Ampere - 120 VAC
6 405-1134	2	f*	Cord, Door Stop	320-0020		1	35 Ampere - 120 VAC
7 405-0992	1	f*	Bolt, U	320-0052		1	50 Ampere - 120 VAC
8 508-0001	1	f*	Grommet, Rubber (1-1/16" Hole) Frame, Battery Hold-Down	320-0482		1	6 Ampere - 480 VAC
9			f* Spec R	36			Ammeter - AC (Select According to Scale)
10 416-0612	1	f*	Begin Spec V	302-0460		1	Scale Reads 0-20 Ampere
10 416-0710	1		Stud, Battery Hold-Down	302-0418		1	Scale Reads 0-30 Ampere
10 416-0541	2	f*	Spec R	302-0444		1	Scale Reads 0-35 Ampere
11 416-0718	2		Begin Spec V	302-0419		1	Scale Reads 0-50 Ampere
11 416-0638	1	f*	Tray, Battery	302-0445		1	Scale Reads 0-10 Ampere
11 416-0709	1	f*	Spec R	37			Voltmeter - AC (Select According to Scale)
12 800-0005	2	f*	Begin Spec V	302-0420		1	Scale Reads 0-150 Volt
12 800-0005	2	f*	Screw, Cap - Hex Head (1/4-20 x 3/4")	302-0421		1	Scale Reads 0-300 Volt
13 526-0115	9	f*	Washer, Flat (11/32" ID x 11/16" OD x 1/16" Thk)	302-0612		1	Scale Reads 0-500 Volt
14 526-0130	2	f*	Washer, Flat (17/64" ID x 1" OD x 1/16" Thk)	38			Meter, Running Time
15 870-0212	2	f*	Nut, Hex - Self-locking (1/4-20)	302-0468		1	120 Volt, 50 Hertz
16 870-0065	2	f*	Nut, Hex - Huglock (1/4-20)	302-0465		1	120 Volt, 60 Hertz
17 338-0520	1		Harness, Start-Stop Switch	302-0469		1	240 Volt, 50 Hertz
18 870-0131	20	f*	Nut, Hex Washer Head (#10-32)	39	332-0142	1	Terminal, Lug - Meter Panel
19			Panel, Receptacle	40			Meter, Frequency
19 301-1388	1		Sets With Receptacles	302-0234		1	50 Hertz, 120 Volt
19 301-1386	1		Sets Without Receptacles (Blank)	302-0256		1	50 Hertz, 240 Volt
20 862-0001	4	f*	Nut, Hex (1/4"-20)	302-0213		1	60 Hertz, 120 Volt
21			Receptacle, Duplex	41			Block, Terminal
21 323-0283	1		120 Volt (15 Amp)	332-0231		1	2 Place
21 323-0213	1		240 Volt (15 Amp)	332-0236		1	3 Place
22 323-0856	1		Receptacle, Twistlock (20 Amp, 120/240 Volt)	42			Strip, Marker
23 800-0026	12	f*	Screw, Cap - Hex Head (5/16-18 x 3/4")	332-0237		1	2 Place Terminal Block
24 323-0857	1		Plug, Twistlock Receptacle	332-0238		1	3 Place Terminal Block
25 850-0040	2	f*	Washer, Lock Spring (1/4")	43	320-0202	1	Tie, Circuit Breaker Handle (Includes Pin)
26 870-0257	14	f*	Nut, Flange - Hex Washer Head (5/16-18)	44	301-3206	1	Panel, Meter
27 308-0154	1		Switch, Start-Stop	45	812-0066	4	Screw, Machine - Round Head (#6-32 x 3/4")
28 813-0098	20	f*	Screw, Machine - Round Head (#10-32 x 3/8")	46	853-0003	4	Washer, Lock - ET (#6)
				47	860-0006	4	Nut, Hex (#6-32)
				48	810-0155	1	Screw, Machine - Round Head (1/4-20 x 1-1/4")
				49	854-0014	2	Washer, Lock - IT (1/4")
				50	856-0006	2	Washer, Lock - EIT (1/4")
				51	871-0015	2	Nut, Hex (1/4-20)
				52	526-0052	1	Washer, Flat (17/64" ID x 9/16" OD x 1/32" Thk)
				53	812-0077	12	Screw, Machine - Round Head
							Circuit Breaker to Meter Panel (#8-32 x 3/8")

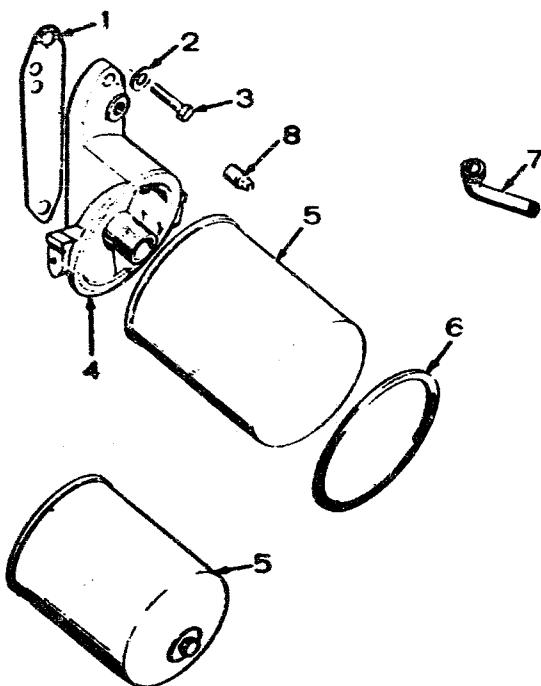
\* - Parts Included in Housing Kit (with Meter Panel)  
f - Parts Included in Housing Kit (W/O Meter Panel)

Fuel Tank (6.5 Gallon)  
Optional - Key 2,3,5,7



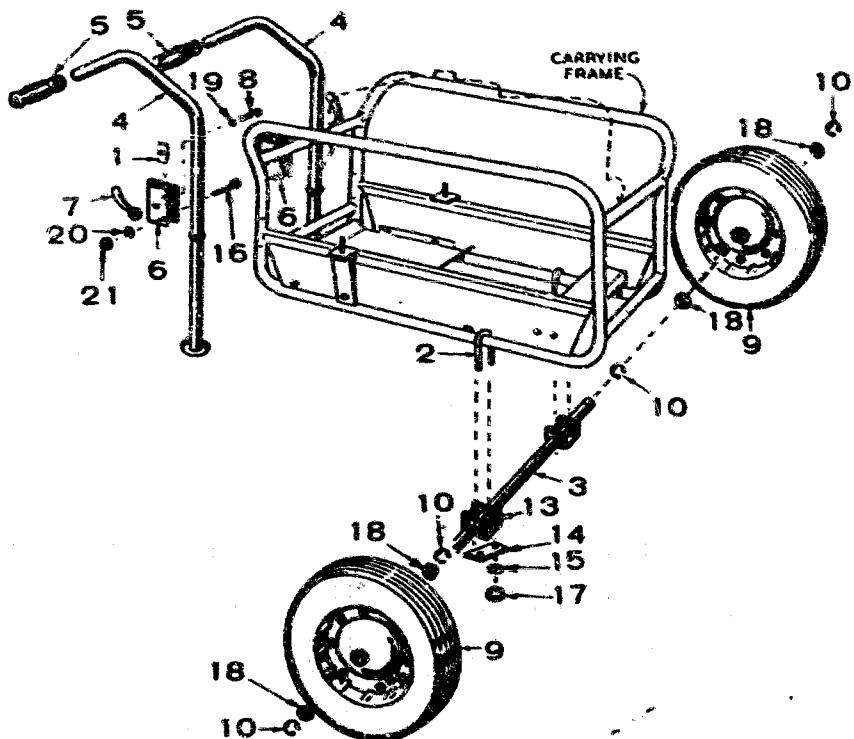
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	159-0592	1	Tank, Fuel (Includes Cap)	4	159-0007	1	Cap, Fuel Tank
2	159-0594	2	Band, Fuel Tank Mounting	5	504-0013	1	Valve, Fuel Shut-Off
3			Line, Fuel	6	862-0001	2	Nut, Hex (1/4-20)
	501-0005	1	18-1/2" Lg	7	850-0040	2	Washer, Lock - Spring (1/4")
	501-0131	1	24" Lg				

**Spin-on Oil Filter  
Optional**



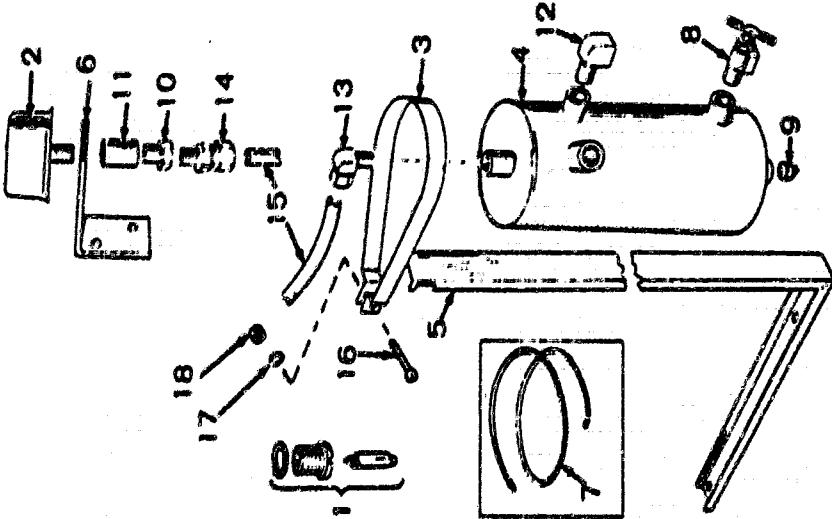
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	122-0321	1	Gasket, Adapter	5	122-0323	1	Filter, Spin-on
2	526-0065	2	Washer, Flat - Copper (21/64" ID x 9/16" OD x 1/16" Thk)	122-0406	122-0406	1	Without Hex Nut
3	800-0028	2	Screw, Cap - Hex Head (5/16-18 x 1")	6	122-0347	1	With Hex Nut
4	122-0320	1	Adapter, Filter	7	122-0345	1	Seal, Air
				8	505-0057	1	Tube, Oil Drain
							Plug, Pipe (1/8")

**Dolly**  
Optional - Key 1,4,6



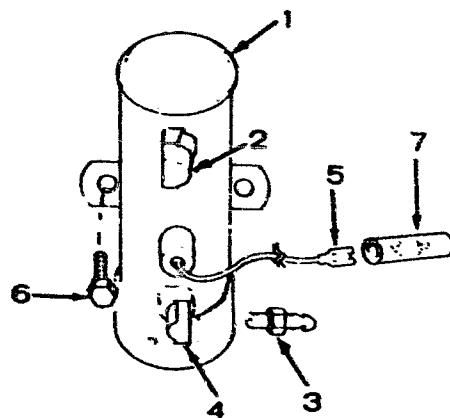
REF. NO.	PART NO.	QTY USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY USED	PART DESCRIPTION
1	410-0235	1	Dolly Assembly (Complete)	13	410-0283	2	Support, Axle
1	410-0238	2	Lock, Handle	14	410-0284	2	Plate, Axle Support
2	410-0148	2	Bolt, U	15	850-0050	4	Washer, Lock - Spring (3/8")
3	410-0233	1	Axle, Dolly	16	800-0032	4	Screw, Cap - Hex Head (5/16-18 x 1-3/4")
4	410-0147	2	Handle, Dolly	17	860-0017	4	Nut, Hex (3/8-16)
5	403-0205	2	Grip, Handle	18	526-0081	4	Washer, Flat (1-1/64" ID x 1-5/8" OD x 1/8" Thk)
6	410-0179	2	Channels, U	19	854-0020	2	Washer, Lock - IT (3/8")
7	406-0062	2	Nut, Handle	20	850-0045	4	Washer, Lock - Spring (5/16")
8	800-0052	1	Screw, Cap - Hex Head (3/8-16 x 1-1/2")	21	862-0015	4	Nut, Hex (5/16-18)
9	410-0236	2	Tire and Wheel Assembly (4.00 x 16)				
10	518-0130	4	Ring, Retaining - External (63/64")				

**Reservoir (Day) Tank Options**



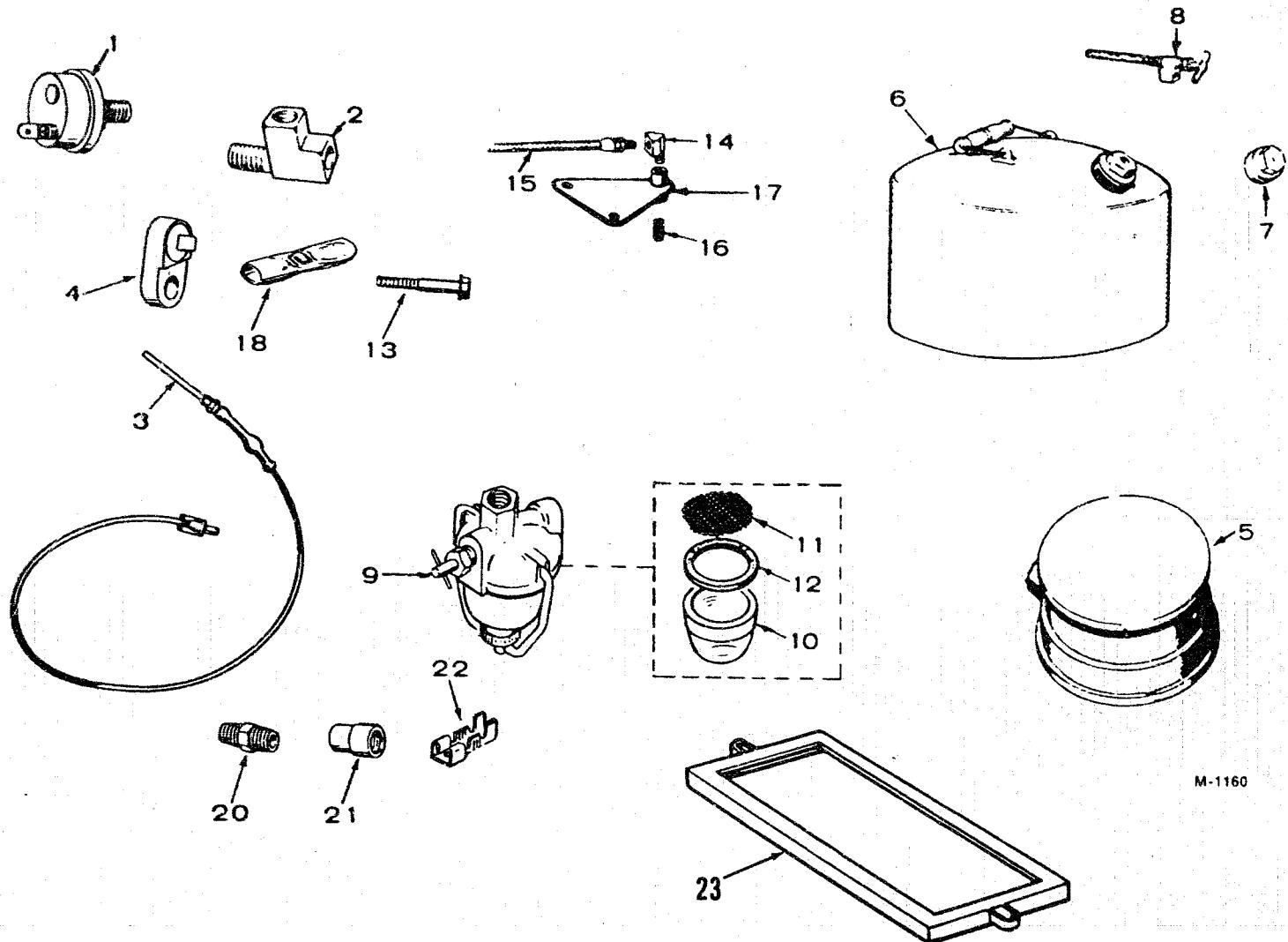
REF. NO.	PART NO.	PART DESCRIPTION	QTY USED	PART NO.	PART DESCRIPTION	QTY USED
159-0591	8	Tank Kit, Reservoir (Day)	1	8	504-0086	1
159-0942	9	One Quart	1	9	505-0057	1
1	10	Two Quart	1	10	505-0016	1
142-0356	11	Valve, Fuel I - Carburetor Fuel	1	11	505-0028	1
	12	Inlet	1	12	502-0020	1
2	159-0041	Cap, Vent	1	13	502-0024	1
3	159-0556	Band, Tank Mounting	1	14	502-0116	1
159-0936	15	One Quart	1	15	159-0345	1
	16	Two Quart	1	16	812-0156	1
4	159-0294	Two Quart	1	17	850-0040	1
159-0746	17	Bracket, Reservoir Tank	1	18	861-0011	1
5	159-0612	Mounting	1			
	6	Bracket, Vent Cap	1			
	7	Line, Fuel I - Flexible	1			
	8	12" Long	1			
	9	24" Long	1			
	10	501-0005	1			
	11	501-0007	1			

**Fuel Pump (Electric)  
Optional**



REF. NO.	PART NO.	QTY USED	PART DESCRIPTION	REF. NO.	PART NO.	QTY USED	PART DESCRIPTION
1	149-1830	1	Pump, Fuel (Electric)	5	332-0529	2	Terminal, Fuel Pump Lead
2	502-0002	1	Elbow, Inverted Male	6	821-0008	2	Screw, Cap - Self-locking (1/4-20 x 5/16" Lg)
3	502-0395	1	Connector, Hose	7	332-0556	1	Connector, Fuel Pump Lead
4	502-0196	1	Elbow, Street (90°)				

## Miscellaneous Options



M-1160

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	309-0237	1	Switch, Low Oil Pressure	13	114-0171	1	Screw, High Air Temperature Cut-Off - Begin Spec V (Special)
2	502-0058	1	Tee, Street Pipe - Sets With Low Oil Pressure Switch	14	502-0020	1	Elbow, Street - Key 2,3,5,7
3	102-0558	1	Heater, Oil Base	15			Line, Fuel - Tank to Unit (Flexible) Key 2,3,5,7
4	309-0255	1	Switch, High Air Temperature Cut-off - Begin Spec V	501-0007		1	24"
5	415-0124	1	Cap, Rain - 5 Gallon Fuel Tank	501-0009		1	36"
6	415-0126	1	Tank, Fuel - 5 Gallon (Includes Cap) - Key 2,3,5,7	501-0027		1	48"
7	415-0313	1	Cap, Fuel Tank - Key 2,3,5,7	16	502-0046	1	Nipple, Pipe - Close (1/8") Key 2,3,5,7
8	504-0013	1	Valve, Fuel Tank Shut-Off - Key 2,3,5,7	17	149-1311	1	Bracket, Fuel Filter - Key 2,3,5,7
9	149-0079	1	Filter, Fuel - Key 2,3,5,7	18	332-0556	1	Connector, High Air Temperat Cut-Off - Begin Spec V
10	149-0150	1	Bowl, Fuel Sediment - Key 2,3,5,7	20	502-0082	1	Nipple, Fuel Solenoid Valve
11	149-0202	1	Screen, Fuel Filter - Key 2,3,5,7	21	502-0003	1	Connector, Fuel Solenoid Val
12	149-0149	1	Gasket, Fuel Sediment Bowl - Key 2,3,5,7	22	332-1477	2	Terminal, Fuel Solenoid Val
				23	416-0972	1	Frame, Holdown - Battery (Use Beginning 5-90)

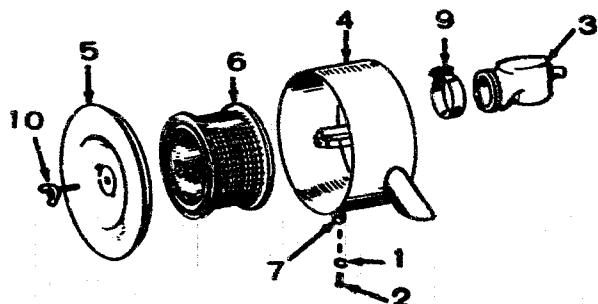
## SPECIAL PARTS SECTION

For 4.0CCK-3CE/ & 5.0CCK-3CE/  
Contractors Models

Parts not listed in this section, refer to the standard parts groups.  
Use Key 4 for 4.0CCK and Key 6 for 5.0CCK.

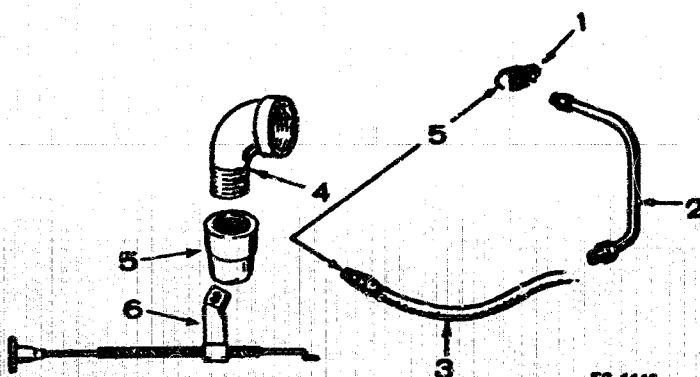
### Air Cleaner

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	856-0003	1	Washer, Lock - EIT (#10)	5	140-0538	1	Cover, Air Cleaner
2	808-0032	1	Screw, Tapping - Round Head (#10 x 1/2")	6	140-0495	1	Element, Air Cleaner
3	145-0094	1	Inlet, Carburetor Air	7	140-0596	1	Spacer, Air Cleaner Mounting
4	140-0537	1	Housing, Air Cleaner	9	503-0280	1	Clamp, Hose
				10	518-0056	1	Screw, Wing (#10-32 x 1/2")



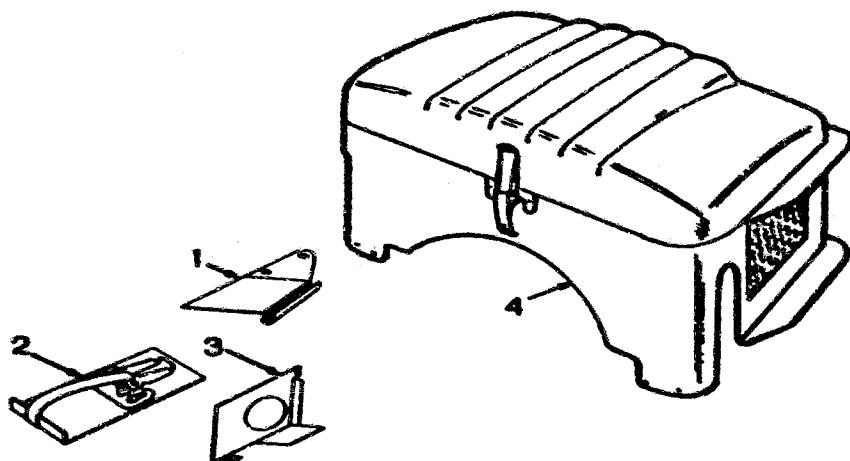
### Fuel System and Exhaust

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	502-0138	1	Elbow, Fuel Pump Inlet	5	502-0137	1	Connector, Male - Line to Tank Elbow (1/4")
2	149-0775	1	Line, Fuel Pump to Carburetor	6	149-0271	1	Primer Assembly, Fuel Pump (with Bracket) - Begin Spec V
3	501-0153	1	Line, Fuel Pump to Filter				
4	505-0003	1	Elbow, Street - Exhaust (1" x 90")				



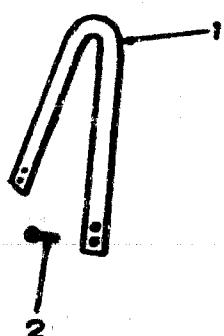
## Air Housing

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	405-1663	1	Support, Hood	3	134-1144	1	Baffle, Fuel Pump Air
2	134-1469	2	Fastener, Hood	4	405-1662	1	Hood, Engine

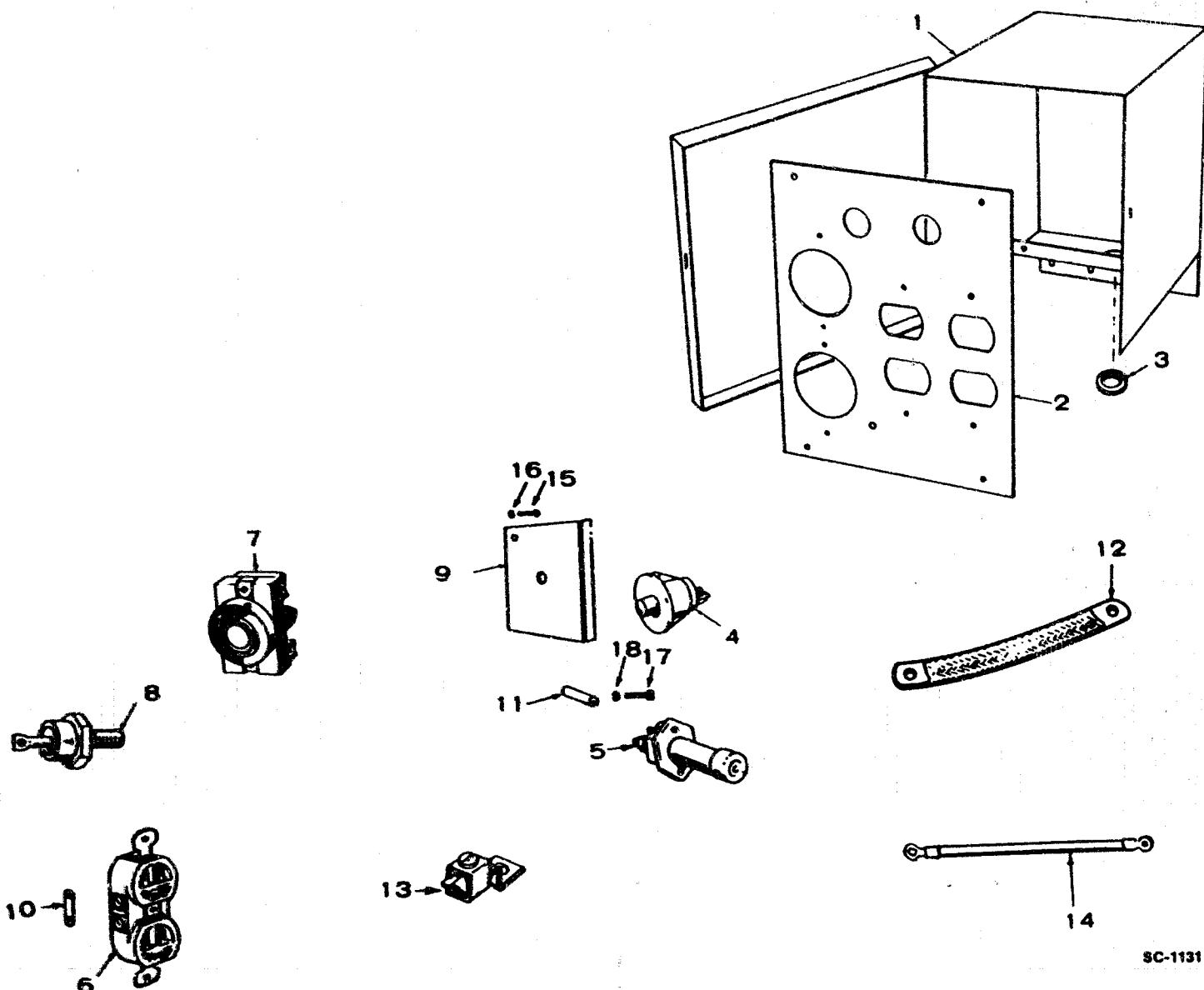


## Generator

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	403-1248	1	Bracket, Lifting	2	815-0454	4	Screw, Tapping - Hex Head (5/16-18 x 1-1/4")



# Control



SC-1131

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-3576	1	Box, Control	11	301-3591	2	Spacer, Start Switch Mounting
2	301-3577	1	Panel, Control	12	337-0085	1	Strap, Bond - Grounding
3	508-0001	1	Grommet, Rubber (1-1/16" Hole)	13	332-0517	1	Terminal, Lug
4	313-0018	1	Switch, Stop	14	416-0657	1	Cable, Battery - Positive (7-1/2")
5	308-0028	1	Switch, Start	15	812-0077	2	Screw, Machine - Round Head (8-32 x 3/8")
6	323-0383	2	Receptacle, Duplex (120 Volt)	16	853-0005	2	Washer, Lock - ET (#8)
7	323-0855	2	Receptacle, Twistlock (240 Volt)	17	800-0013	2	Screw, Cap - Hex Head (1/4-20 x 2-1/2")
8	305-0235	1	Rectifier	18	850-0040	2	Washer, Lock (1/4")
9	305-0254	1	Bracket, Rectifier				
10	332-1695	2	Jumper				

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